Salmonid Catch-Data from Campbell River and Discovery Passage, 1986

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ABSTRACT

Brown, T. J., B. A. Kask, M. S. Kotyk, C. D. McAllister, C. D. Levings, and J. S. Macdonald. 1986. Salmonid catch-data from Campbell River and Discovery Passage, 1986. Can. Data. Rep. Fish. Aquat. Sci. 617: 61 p.

The 1986 salmonid catch data was obtained by beach seining at 32 sites during 11 trips to Campbell River from April to August. There were 750 sets made and 80,646 salmonids identified. This report presents the data in chronological order.

RESUME

Brown, T. J., B. A. Kask, M. S. Kotyk, C. D. McAllister, C. D. Levings, and J. S. Macdonald. 1986. Salmonid catch-data from Campbell River and Discovery Passage, 1986. Can. Data. Rep. Fish. Aquat. Sci. 617: 61 p.

En 1986, des données sur les captures de salmonidés ont été recueillies au cours de pêches à la senne de rivage effectuées à 32 emplacements de la rivière Campbell au cours de 11 sorties réalisées d'avril à août. On a ainsi effectué 750 mouillages et identifié 80 646 salmonidés. Le présent rapport porte sur les données présentées en ordre chronologique.

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INTRODUCTION

This study was initiated in 1982 to assess the utilization of the rehabilitated portion of the Campbell River estuary. British Columbia Forest Products constructed four intertidal islands to partially compensate for habitat lost to a new dry land log sort facility and dredged log pond (Brownlee et al. 1984). The estuarine food webs were augmented by planting the islands with marsh grasses (Juncus arcticus and Carex lyngbei). Beach seine surveys were used to provide data on the dispersal and migration of juvenile salmonids (Brown et al. 1983, 1984a,b, 1985). The 1986 catch data from the Campbell River estuary and Discovery Passage are reported here (Table 4).

MATERIALS AND METHODS

The sampling was carried out in three zones (Fig. 1). The estuarine zone was defined as the area bounded by Tyee Spit. The transition zone included an area of Discovery Passage that could be influenced by the Campbell River and the marine zone included the rest of Discovery Passage.

Eleven trips were made to Campbell River from April to August 1986 (Table 1). The fish were caught using a 13.7 m beach seine with 4.5 m wings, 4.6 m bunt (0.6 cm stretch mesh) and 3 m depth.

There were 18 stations in the estuary, 6 in the transition and 8 in the marine zone (Figs. 2, 3; Table 2). Duplicate sets were made at each station except for the stations on islands 1 and 3 in which grooves were seined and replicates were not required.

The catches were held in the bunt of the net or placed into a holding pen where counting or subsampling occurred. The sampled fish were preserved in 10% formalin for length, weight and stomach analysis. The coded wire tags were read to determine the release origin and residency of the hatchery fish (Kotyk et al., in prep.).

The temperature and salinity were obtained using an RS-5 Beckman salinometer. The minutes to nearest slack water and tide height in meters were calculated using the "Canadian Tide and Current Tables."

RESULTS

During 11 sampling trips to Campbell River there were 750 sets made capturing 80,646 juvenile salmonids. A total of 29,447 juvenile chinooks were examined from the three zones.

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Table 1. Sampling periods in 1986.

Trip No.	Date
1	Apr. 1-3
2	Apr. 15-17
3	Apr. 29-May 1
4	May 13-15
5	May 27-29
6	Jun. 10-12
7	Jun. 25-27
8	Jul. 8-10
9	Jul. 22-24
10	Aug. 6-8
11	Aug. 19-21

Table 2. Station descriptions.

Station designation (number, vernacular)	Description, habitat
1 (M. Ramp)	Beside Coval Air seaplane ramp, west side of Tyee Spit; sand, marsh at high elevation; moderate slope.
2 (Nunns Is.)	Southeast tip of Nunns Island; sand/mud, marsh at high elevation; moderate slope.
3 (Nunns Creek)	North side of Nunns Creek mouth; marsh; very steep drop-off.
4 (Spit)	Northwest tip of Tyee Spit; gravel; very steep drop-off.
5 (Bar)	Sand/gravel bar on north side of river mouth channel; eelgrass at lower elevations; moderate drop-off. Exposed when tide levels <est. 2 m.
6 (Bulkhead)	Gravel beach by wooden bulkhead, west side of Campbell River; moderate drop-off.
7 (NBM)	South shore of north arm of Baikie's Slough at confluence with Campbell River; marsh at higher elevations, eelgrass at lower elevations; moderate drop-off.
8 (NBS)	North shore of north arm of Baikie's Slough at confluence with channel leading to Freshwater Marina; marsh at higher elevations, mud-wood debris at lower elevations; moderate drop-off.
10 (SBM)	South shore of south arm of Baikie's Slough at confluence with Campbell River; sand; moderate drop-off.
11 (Is. No. 1)	Bay on island no. 1; transplanted marsh at higher elevations; mud/wood debris at lower elevations; shallow slope.
111 (Grass Is.)	Northwest side of Natural island south of island No. 1; sand/mud marsh at higher elevation; steep drop for 1 m then moderate slope.
14 (Is. No. 3, M.R.)	Experimental tidal groove in Is. No. 3; middle groove on river side; transplanted marsh at higher elevations; gravel, mud/wood/algae at lower elevations; moderate slope.

Table 2 (cont'd)

Station designation (number, vernacular)	Description, habitat
141 (Is. No. 3, U.R.)	Experimental tidal groove on Is. No. 3; upstream groove on river side; transplanted marsh at higher elevations; gravel, mud/wood/ algae at lower elevations; steep slope.
15 (Is. No. 3, M.S.)	Experimental tidal groove on Is. No. 3; middle groove on spit side; transplanted marsh at higher elevations; gravel, mud/wood/algae at lower elevations; moderate slope.
151 (Is. No. 3, U.S.)	Experimental tidal groove on Is. No. 3; upstream groove on spit side; transplanted marsh at higher elevations; gravel, mud/wood/algae at lower elevations; moderate slope.
16 (Is. No. 3, L.R.)	Experimental tidal groove on Is. No. 3; downstream groove, river side; mud/wood/algae at lower elevations; moderate shallow slope.
17 (Is. No. 3, L.S.)	Experimental tidal groove on Is. No. 3; downstream groove, spit side; gravel, mud/wood/algae at lower elevations, moderate shallow slope.
18 (Is. No. 4)	West side of Is. No. 4; gravel; mud/wood debris at lower elevations; shallow slope.
20 (Boat Ramp)	Next to boat launch ramp on east side of Tyee Spit; gravel/cobble beach; moderate slope.
21 (McDonald's)	Est. 200 m north of ferry dock; Campbell River, gravel/cobble; moderate slope. Exposed on tide levels <2 m; adjacent to rip-rap.
23 (Middle Point)	Est. 700 m south of Middle Point; sand with boulders in lower elevations; inside a kelp bed; shallow slope.
24 (Nymphe Cove)	Small cove in west side of southern entrance to Seymour Narrows; gravel with boulders in lower elevations; inside a kelp bed; steep slope; sand flat with eelgrass on west beach.
241 (Menzies II)	Northeast corner of Menzies Bay, cobble beach, shallow slope with log booms adjacent.
231 (Middle Point North)	A sand beach on the north side of the barge loading facility at Middle Point; shallow slope.

Table 2 (cont'd)

Station designation (number, vernacular)	Description, habitat
25 (Maude Beach)	Beach est. 1.5 km southeast of entrance to Saltwater Lagoon; gravel in higher elevations, mud, eelgrass in lower elevation, kelp bed; shallow slope.
27 (Outer Gowlland)	Beach on southwest side of Gowlland Island; cobble/boulder; kelp beds; moderate slope.
28 (Inner Gowlland)	Beach in small cove at south entrance to Gowlland Harbour; cobble, with some boulders; high sea cucumber/sea urchin poplations; moderate to shallow slope with steep drop-off.
292 (Unkak Cove)	Cove at north end of Quathiaski Cove; sand/mud; eelgrass patches; shallow slope.
34 (Painter's Channel)	Eastern shore on a channel near Painter's Lodge exposed on tides <2 m; mud/sand with eelgrass in lower elevation; shallow slope.
35 (Outer Bar)	Beach approximately 100 m north of station 5; sand/gravel bar, eelgrass at lower elevation; moderate slope with steep drop-off. Exposed on tides <2 m.
37 (Log Sort)	Within bay of B.C. Forest Products log sorting area; log booms; rip-rap; steep slope.
47 (Fred's Slough)	Small beach on channel south of Baikie's Slough; overgrown with willows; wood debris, backing onto Raven Lumber sorting yard; shallow slope.

Table 3. Table abbreviations.

Trip number	-corresponds to the consecutive sampling trips from April to August 1986 (see Table 1)
Date (year, month, day)	-the catch data are arranged in chronological order
Time-PST	-the time each set was made in Pacific Standard Time
SN	-station number (see Fig. 1, 2 and Table 2)
Haul	-each set is progressively numbered by station for each trip
Total sets	-the maximum number of hauls for each station on each trip
Tide type	-1 = ebb; 2 = flood
Min to slack	-minutes to nearest slack water
Temp.	-temperature (°C)
Sal.	-salinity (°/..)
Species code	-1 - pink salmon 2 - chum salmon 3 - coho salmon 4 - sockeye salmon 5 - chinook salmon 6 - cutthroat trout 7 - steelhead trout 10 - unidentified
Group code	-1 - marked (CWT) - adipose fin clip 2 - unmarked hatchery - distinguished from the wild population early in the year by size 3 - wild - distinguished from the hatchery fish by size 4 - not specified. This group is used when the wild fish and unmarked hatchery fish are non-distinguishable by size
Stage code	-1 - alevin 2 - fingerling 3 - fry 4 - smolt 5 - grilse 6 - adult (blank) missing data
Catch	-the total catch by species and group
Tide height meters	-the tide height in meters at the time of each set

Table 4. Campbell River - 1986 - catch data

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
1	86	4	1	1400	7	1	8	1	160	8.0	0.8	5	3		1	1.8
1	86	4	1	1400	7	1	8	1	160	8.0	0.8	3	3		1	1.8
1	86	4	1	1400	7	1	8	1	160	8.0	0.8	2	3		1	1.8
1	86	4	1	1405	7	2	8	1	155	8.0	0.8					1.8
1	86	4	1	1410	7	3	8	1	150	8.0	0.8					1.7
1	86	4	1	1415	7	4	8	1	145	8.0	0.8	2	3		1	1.7
1	86	4	1	1415	7	4	8	1	145	8.0	0.8	3	3		1	1.7
1	86	4	1	1440	4	1	4	1	120	9.6	5.3					1.6
1	86	4	1	1445	4	2	4	1	115	9.6	5.3					1.6
1	86	4	1	1500	2	1	2	1	100	7.8	3.6	5	4		1	1.5
1	86	4	1	1505	2	2	2	1	95	7.8	3.6					1.5
1	86	4	1	1510	3	1	2	1	90	8.1	3.7					1.4
1	86	4	1	1515	3	2	2	1	85	8.1	3.7					1.4
1	86	4	1	1525	1	1	4	1	75	7.8	3.3	2	3		89	1.3
1	86	4	1	1525	1	1	4	1	75	7.8	3.3	1	4		2	1.3
1	86	4	1	1530	1	2	4	1	70	7.8	3.3	1	4		1	1.2
1	86	4	1	1545	5	1	2	1	55	8.0	5.7					1.1
1	86	4	1	1550	5	2	2	1	50	8.0	5.7					1.1
1	86	4	1	1615	20	1	2	1	25	8.6	31.0					1.0
1	86	4	1	1620	20	2	2	1	20	8.6	31.0					1.0
1	86	4	1	1645	21	1	4	2	-5							0.9
1	86	4	1	1655	21	2	4	2	-15			2	3		32	0.9
1	86	4	1	1655	21	2	4	2	-15			1	4		46	0.9
1	86	4	2	0910	47	1	4	1	-5	5.6	0.4					3.7
1	86	4	2	0915	47	2	4	1	-10	5.6	0.4	2	3		1	3.7
1	86	4	2	0920	10	1	2	1	-15	5.5	0.4					3.6
1	86	4	2	0925	10	2	2	1	-20	5.5	0.4					3.6
1	86	4	2	0935	8	1	2	1	-30	5.7	0.9	1	4		1	3.6
1	86	4	2	0940	8	2	2	1	-35	5.7	0.9					3.6
1	86	4	2	0955	37	1	2	1	-50	6.9	9.2					3.5
1	86	4	2	1000	37	2	2	1	-55	6.9	9.2					3.5
1	86	4	2	1015	7	5	8	1	-70	6.1	1.0					3.4
1	86	4	2	1020	7	6	8	1	-75	6.1	1.0					3.4

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
1	86	4	2	1025	6	1	2	1	-80	5.8	2.0	2	3		1	3.3
1	86	4	2	1030	6	2	2	1	-85	5.8	2.0	2	3		1	3.3
1	86	4	2	1110	111	1	2	1	-125	7.7	9.2					3.1
1	86	4	2	1115	111	2	2	1	-130	7.7	9.2					3.1
1	86	4	2	1120	11	1	1	1	-135	8.0	4.2					3.0
1	86	4	2	1135	18	1	2	1	-150	7.1	3.2					3.0
1	86	4	2	1140	18	2	2	1	-155	7.1	3.2	1	4		1	3.0
1	86	4	2	1150	151	1	1	1	-165	7.1	3.1	2	3		11	2.9
1	86	4	2	1150	151	1	1	1	-165	7.1	3.1	3	3		1	2.9
1	86	4	2	1150	151	1	1	1	-165	7.1	3.1	1	4		1	2.9
1	86	4	2	1200	141	1	1	1	-175	7.0	2.2					2.8
1	86	4	2	1205	14	1	1	1	-180	7.0	2.2					2.8
1	86	4	2	1210	15	1	1	1	-185	7.1	3.1					2.8
1	86	4	2	1230	16	1	1	1	-205	7.0	2.2					2.7
1	86	4	2	1235	17	1	1	1	-210	7.1	3.1					2.7
1	86	4	2	1435	34	1	2	1	190	7.2	4.3	5	4		2	1.9
1	86	4	2	1440	34	2	2	1	185	7.2	4.3					1.9
1	86	4	2	1555	21	3	4	1	110	8.7	31.5					1.5
1	86	4	2	1600	21	4	4	1	105	8.7	31.5					1.4
1	86	4	2	1615	292	1	2	1	90	9.9	30.1					1.4
1	86	4	2	1620	292	2	2	1	85	9.9	30.1					1.3
1	86	4	2	1640	28	1	2	1	65	8.6	31.7					1.2
1	86	4	2	1645	28	2	2	1	60	8.6	31.7					1.2
1	86	4	2	1650	27	1	2	1	55	8.0	31.9					1.1
1	86	4	2	1655	27	2	2	1	50	8.0	31.9					1.1
1	86	4	2	1730	23	1	2	1	15	8.8	31.4	2	3		1	1.0
1	86	4	2	1735	23	2	2	1	10	8.8	31.4					1.0
1	86	4	2	1745	231	1	2	1	0	8.2						1.0
1	86	4	2	1750	231	2	2	2	-5	8.2						1.0
1	86	4	3	0905	24	1	2	2	-50	8.9		1	4		1	3.4
1	86	4	3	0910	24	2	2	2	-55	8.9		1	4		1	3.4
1	86	4	3	0915	241	1	2	2	-60							3.4
1	86	4	3	0920	241	2	2	2	-65							3.4

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
1	86	4	3	0945	25	1	2	2	70			5	3		1	3.5
1	86	4	3	0945	25	1	2	2	70			2	3		1	3.5
1	86	4	3	0945	25	1	2	2	70			1	4		1	3.5
1	86	4	3	0950	25	2	2	2	65			1	4		1	3.5
1	86	4	3	1015	4	3	4	2	40							3.5
1	86	4	3	1020	4	4	4	2	35							3.5
1	86	4	3	1030	1	3	4	2	25			2	3		19	3.5
1	86	4	3	1030	1	3	4	2	25			3	3		1	3.5
1	86	4	3	1030	1	3	4	2	25			1	4		4	3.5
1	86	4	3	1035	1	4	4	2	20			2	3		5	3.5
1	86	4	3	1035	1	4	4	2	20			3	3		1	3.5
1	86	4	3	1045	47	3	4	2	10			2	3		25	3.5
1	86	4	3	1045	47	3	4	2	10			1	4		1	3.5
1	86	4	3	1050	47	4	4	2	5			2	3		36	3.5
1	86	4	3	1055	7	7	8	2	0			2	3		2	3.5
1	86	4	3	1100	7	8	8	1	-5							3.5
2	86	4	15	1445	10	1	4	1	30	7.6	0.6					1.4
2	86	4	15	1450	10	2	4	1	25	7.6	0.6					1.4
2	86	4	15	1505	7	1	4	1	10	7.6	1.2	2	3		1	1.3
2	86	4	15	1505	7	1	4	1	10	7.6	1.2	3	3		1	1.3
2	86	4	15	1505	7	1	4	1	10	7.6	1.2	6	3		1	1.3
2	86	4	15	1510	7	2	4	1	5	7.6	1.2	5	3		1	1.3
2	86	4	15	1520	8	1	4	2	-5	8.2	1.8	5	3		4	1.3
2	86	4	15	1520	8	1	4	2	-5	8.2	1.8	2	3		22	1.3
2	86	4	15	1520	8	1	4	2	-5	8.2	1.8	1	4		2	1.3
2	86	4	15	1525	8	2	4	2	-10	8.2	1.8	2	3		2	1.3
2	86	4	15	1545	4	1	4	2	-30	7.2	0.4					1.4
2	86	4	15	1550	4	2	4	2	-35	7.2	0.4					1.4
2	86	4	15	1600	1	1	4	2	-45	7.5	0.6					1.4
2	86	4	15	1605	1	2	4	2	-50	7.5	0.6					1.4
2	86	4	15	1610	2	1	4	2	-55	7.4	0.6					1.5
2	86	4	15	1615	2	2	4	2	-60	7.4	0.6					1.5
2	86	4	15	1625	3	1	4	2	-70	7.4	2.0					1.5

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
2	86	4	15	1630	3	2	4	2	-75	7.4	2.0					1.5
2	86	4	16	1045	20	1	2	1	-180	7.9	29.6	1	4		1	2.5
2	86	4	16	1050	20	2	2	1	-185	7.9	29.6					2.5
2	86	4	16	1130	21	1	2	1	-225	8.3	32.5					2.2
2	86	4	16	1135	21	2	2	1	-230	8.3	32.5					2.2
2	86	4	16	1255	17	1	1	1	195			2	3		5	2.1
2	86	4	16	1300	16	1	1	1	190			2	3		2	2.1
2	86	4	16	1300	16	1	1	1	190			1	4		2	2.1
2	86	4	16	1310	14	1	1	1	180			1	4		10	2.0
2	86	4	16	1310	14	1	1	1	180			2	3		31	2.0
2	86	4	16	1310	14	1	1	1	180			10	4		1	2.0
2	86	4	16	1320	15	1	1	1	170			2	3		3	2.0
2	86	4	16	1325	151	1	1	1	165							1.9
2	86	4	16	1330	141	1	1	1	160			2	3		1	1.9
2	86	4	16	1445	292	1	2	1	85	10.1	34.4					1.7
2	86	4	16	1450	292	2	2	1	80	10.1	34.4					1.6
2	86	4	16	1500	28	1	2	1	70	10.8	32.9					1.5
2	86	4	16	1505	28	2	2	1	65	10.8	32.9					1.5
2	86	4	16	1525	27	1	2	1	45							1.4
2	86	4	16	1530	27	2	2	1	40							1.4
2	86	4	16	1605	25	1	2	1	5	8.8	33.2	5	3		2	1.4
2	86	4	16	1605	25	1	2	1	5	8.8	33.2	2	3		56	1.4
2	86	4	16	1605	25	1	2	1	5	8.8	33.2	1	4		14	1.4
2	86	4	16	1610	25	2	2	1	0	8.8	33.2	2	3		43	1.4
2	86	4	16	1610	25	2	2	1	0	8.8	33.2	1	4		112	1.4
2	86	4	16	1635	24	1	2	2	-25	8.8	33.2	2	3		1	1.4
2	86	4	16	1635	24	1	2	2	-25	8.8	33.2	1	4		1	1.4
2	86	4	16	1640	24	2	2	2	-30	8.8	33.2	2	3		2	1.4
2	86	4	16	1650	241	1	2	2	-40	9.5	14.0					1.4
2	86	4	16	1655	241	2	2	2	-45	9.5	14.0					1.4
2	86	4	16	1725	231	1	2	2	-75	10.5	34.5					1.7
2	86	4	16	1730	231	2	2	2	-80	10.5	34.5					1.7
2	86	4	16	1735	23	1	2	2	-85	10.9	34.3	1	4		259	1.7

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
2	86	4	16	1735	23	1	2	2	-85	10.9	34.3	2	3		7	1.7
2	86	4	16	1745	23	2	2	2	-95	10.9	34.3	1	4		6	1.8
2	86	4	16	1745	23	2	2	2	-95	10.9	34.3	2	3		2	1.8
2	86	4	16	1800	34	1	2	2	-110							1.9
2	86	4	16	1805	34	2	2	2	-115			5	3		2	1.9
2	86	4	16	1805	34	2	2	2	-115			3	3		1	1.9
2	86	4	16	1825	5	1	2	2	-135	9.7	0.5	2	3		1	2.0
2	86	4	16	1830	5	2	2	2	-140	9.7	0.5					2.0
2	86	4	17	0930	6	1	2	1	-30	8.9	3.1	2	3		6	3.3
2	86	4	17	0930	6	1	2	1	-30	8.9	3.1	3	3		12	3.3
2	86	4	17	0930	6	1	2	1	-30	8.9	3.1	5	3		1	3.3
2	86	4	17	0935	6	2	2	1	-35	8.9	3.1	2	3		2	3.3
2	86	4	17	0945	47	1	2	1	-45	7.3	1.8	2	3		1	3.3
2	86	4	17	0950	47	2	2	1	-50	7.3	1.8					3.3
2	86	4	17	0955	10	3	4	1	-55	7.9	1.0	2	3		1	3.2
2	86	4	17	1000	10	4	4	1	-60	7.9	1.0					3.2
2	86	4	17	1005	7	3	4	1	-65	7.8	1.9	3	3		1	3.2
2	86	4	17	1010	7	4	4	1	-70	7.8	1.9	6	3		1	3.2
2	86	4	17	1010	7	4	4	1	-70	7.8	1.9	7	3		1	3.2
2	86	4	17	1010	7	4	4	1	-70	7.8	1.9	2	3		1	3.2
2	86	4	17	1015	8	3	4	1	-75	7.6	1.8					3.2
2	86	4	17	1020	8	4	4	1	-80	7.6	1.8					3.2
2	86	4	17	1025	18	1	2	1	-85	9.1	4.6	1	4		3	3.2
2	86	4	17	1025	18	1	2	1	-85	9.1	4.6	2	3		1	3.2
2	86	4	17	1030	18	2	2	1	-90	9.1	4.6	2	3		1	3.1
2	86	4	17	1040	11	1	1	1	-100	9.6	7.5	2	3		3	3.1
2	86	4	17	1050	111	1	2	1	-110	8.6	7.3					3.1
2	86	4	17	1055	111	2	2	1	-115	8.6	7.3					3.0
2	86	4	17	1105	37	1	2	1	-125	8.9	9.2	1	4		1	3.0
2	86	4	17	1115	37	2	2	1	-135	8.9	9.2					3.0
2	86	4	17	1120	3	3	4	1	-140	9.2	5.0	1	4		1	3.0
2	86	4	17	1120	3	3	4	1	-140	9.2	5.0	2	3		3	3.0
2	86	4	17	1125	3	4	4	1	-145	9.2	5.0					2.9

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
2	86	4	17	1130	2	3	4	1	-150	8.7	7.5	1	4		1	2.9
2	86	4	17	1135	2	4	4	1	-155	8.7	7.5					2.9
2	86	4	17	1140	1	3	4	1	-160	8.5	6.5					2.9
2	86	4	17	1145	1	4	4	1	-165	8.5	6.5	1	4		1	2.8
2	86	4	17	1145	1	4	4	1	-165	8.5	6.5	2	3		2	2.8
2	86	4	17	1150	4	3	4	1	-170	8.0	4.6					2.8
2	86	4	17	1155	4	4	4	1	-175	8.0	4.6					2.7
3	86	4	29	1330	7	1	6	1	95	8.5	1.3	3	3		1	1.1
3	86	4	29	1330	7	1	6	1	95	8.5	1.3	2	3		1	1.1
3	86	4	29	1335	7	2	6	1	90	8.5	1.3	3	3		1	1.1
3	86	4	29	1335	7	2	6	1	90	8.5	1.3	2	3		12	1.1
3	86	4	29	1335	7	2	6	1	90	8.5	1.3	5	3		3	1.1
3	86	4	29	1340	8	1	4	1	85	11.4	1.4	5	3		11	1.1
3	86	4	29	1340	8	1	4	1	85	11.4	1.4	3	3		3	1.1
3	86	4	29	1340	8	1	4	1	85	11.4	1.4	2	3		10	1.1
3	86	4	29	1345	8	2	4	1	80	11.4	1.4	2	3		1	1.1
3	86	4	29	1400	2	1	2	1	65	9.7	13.7					1.0
3	86	4	29	1405	2	2	2	1	60	9.7	13.7	2	3		2	1.0
3	86	4	29	1435	3	1	2	1	30	9.3	13.6					0.9
3	86	4	29	1440	3	2	2	1	25	9.3	13.6					0.7
3	86	4	29	1455	20	1	2	1	10	9.5	28.4					0.6
3	86	4	29	1500	20	2	2	1	5	9.5	28.4					0.6
3	86	4	29	1515	21	1	2	2	-10	9.5	30.5	2	3		1	0.6
3	86	4	29	1520	21	2	2	2	-15	9.5	30.5					0.6
3	86	4	29	1550	292	1	2	2	-45	8.9	30.1	1	4		4952	0.6
3	86	4	29	1550	292	1	2	2	-45	8.9	30.1	2	3		552	0.6
3	86	4	29	1610	292	2	2	2	-65	8.9	30.1	1	4		16	0.7
3	86	4	29	1640	27	1	2	2	-95	8.1	31.4	2	3		6	1.0
3	86	4	29	1645	27	2	2	2	-100	8.1	31.4					1.0
3	86	4	30	1010	25	1	2	1	-130	8.1	30.7	5	3		15	3.2
3	86	4	30	1010	25	1	2	1	-130	8.1	30.7	2	3		2	3.2
3	86	4	30	1015	25	2	2	1	-135	8.1	30.7	5	3		2	3.1
3	86	4	30	1035	24	1	2	1	-155	9.1	31.3	3	4		1	3.0

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
3	86	4	30	1040	24	2	2	1	-160	9.1	31.3					3.0
3	86	4	30	1050	241	1	2	1	-170	9.4	13.9					2.9
3	86	4	30	1055	241	2	2	1	-175	9.4	13.9	7	3		2	2.9
3	86	4	30	1115	231	1	2	1	-195	9.3	31.3	2	3		1	3.7
3	86	4	30	1120	231	2	2	1	-200	9.3	31.3	2	3		1	3.7
3	86	4	30	1130	23	1	2	1	-210	11.2	30.4	2	3		55	3.6
3	86	4	30	1130	23	1	2	1	-210	11.2	30.4	1	4		9	3.6
3	86	4	30	1135	23	2	2	1	-215	11.2	30.4	1	4		131	3.6
3	86	4	30	1135	23	2	2	1	-215	11.2	30.4	2	3		254	3.6
3	86	4	30	1135	23	2	2	1	-215	11.2	30.4	5	3		1	3.6
3	86	4	30	1215	11	1	1	1	230	8.0	0.1	5	3		2	2.3
3	86	4	30	1215	11	1	1	1	230	8.0	0.1	2	3		2	2.3
3	86	4	30	1215	11	1	1	1	230	8.0	0.1	1	4		1	2.3
3	86	4	30	1220	151	1	1	1	225			2	3		4	2.3
3	86	4	30	1220	151	1	1	1	225			5	3		4	2.3
3	86	4	30	1225	141	1	1	1	220	7.4	0.0	5	3		1	2.3
3	86	4	30	1225	141	1	1	1	220	7.4	0.0	2	3		2	2.3
3	86	4	30	1230	14	1	1	1	215	7.4	0.0	2	3		21	2.1
3	86	4	30	1230	14	1	1	1	215	7.4	0.0	5	3		1	2.1
3	86	4	30	1245	15	1	1	1	200			2	3		66	2.1
3	86	4	30	1245	15	1	1	1	200			5	3		32	2.1
3	86	4	30	1245	15	1	1	1	200			3	3		1	2.1
3	86	4	30	1245	15	1	1	1	200			1	4		1	2.1
3	86	4	30	1250	16	1	1	1	195	7.4	0.0	1	4		1	2.0
3	86	4	30	1250	16	1	1	1	195	7.4	0.0	2	3		13	2.0
3	86	4	30	1255	17	1	1	1	190							2.0
3	86	4	30	1520	7	3	6	1	45	8.6	1.0	3	4		3	1.1
3	86	4	30	1520	7	3	6	1	45	8.6	1.0	2	3		4	1.1
3	86	4	30	1520	7	3	6	1	45	8.6	1.0	5	3		9	1.1
3	86	4	30	1520	7	3	6	1	45	8.6	1.0	7	1		1	1.1
3	86	4	30	1525	7	4	6	1	40	8.6	1.0	3	4		1	1.1
3	86	4	30	1535	10	1	4	1	30			7	1		1	1.0
3	86	4	30	1535	10	1	4	1	30			5	3		2	1.0

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
3	86	4	30	1540	10	2	4	1	25			6	3		1	1.0
3	86	4	30	1540	10	2	4	1	25			7	1		2	1.0
3	86	4	30	1540	10	2	4	1	25			2	3		4	1.0
3	86	4	30	1540	10	2	4	1	25			5	3		2	1.0
3	86	4	30	1620	1	1	4	2	-15	9.2	2.5	2	3		32	0.9
3	86	4	30	1620	1	1	4	2	-15	9.2	2.5	5	3		6	0.9
3	86	4	30	1620	1	1	4	2	-15	9.2	2.5	1	4		2	0.9
3	86	4	30	1625	1	2	4	2	-20	9.2	2.5	2	3		106	0.9
3	86	4	30	1625	1	2	4	2	-20	9.2	2.5	5	3		8	0.9
3	86	4	30	1625	1	2	4	2	-20	9.2	2.5	1	4		3	0.9
3	86	4	30	1635	4	1	4	2	-30	7.6	0.7					0.9
3	86	4	30	1640	4	2	4	2	-35	7.6	0.7	2	3		3	0.9
3	86	4	30	1645	5	1	2	2	-40	7.6	2.4					0.9
3	86	4	30	1650	5	2	2	2	-45	7.6	2.4	2	3		2	0.9
3	86	4	30	1700	35	1	2	2	-55	7.6	2.4					1.0
3	86	4	30	1705	35	2	2	2	-60	7.6	2.4	7	1		2	1.0
3	86	4	30	1705	35	2	2	2	-60	7.6	2.4	3	3		1	1.0
3	86	5	1	0800	47	1	2	2	-55	6.9	0.0	5	3		45	3.2
3	86	5	1	0800	47	1	2	2	-55	6.9	0.0	2	3		16	3.2
3	86	5	1	0805	47	2	2	2	-60	6.9	0.0	5	3		1	3.2
3	86	5	1	0805	47	2	2	2	-60	6.9	0.0	2	3		5	3.2
3	86	5	1	0815	7	5	6	2	-70	6.9	1.1					3.2
3	86	5	1	0820	7	6	6	2	-75	6.9	1.1	2	3		1	3.2
3	86	5	1	0825	6	1	2	2	65	6.8	2.9	2	3		7	3.2
3	86	5	1	0825	6	1	2	2	65	6.8	2.9	1	4		1	3.2
3	86	5	1	0830	6	2	2	2	60	6.8	2.9	2	3		2	3.2
3	86	5	1	0835	4	3	4	2	55	7.0	4.2	7	1		1	3.2
3	86	5	1	0840	4	4	4	2	50	7.0	4.2	2	3		1	3.2
3	86	5	1	0845	1	3	4	2	45	7.6	3.2	2	3		2	3.2
3	86	5	1	0850	1	4	4	2	40	7.6	3.2	3	3		1	3.3
3	86	5	1	0850	1	4	4	2	40	7.6	3.2	2	3		2	3.3
3	86	5	1	0900	37	1	2	2	30	7.8	4.6					3.3
3	86	5	1	0905	37	2	2	2	25	7.8	4.6					3.3

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
3	86	5	1	0915	111	1	2	2	15	8.0	3.4	1	4		1	3.3
3	86	5	1	0920	111	2	2	2	10	8.0	3.4					3.3
3	86	5	1	0930	18	1	2	1	0	7.0	3.2					3.3
3	86	5	1	0935	18	2	2	1	-5	7.0	3.2					3.3
3	86	5	1	0940	10	3	4	1	-10	7.0	0.4					3.3
3	86	5	1	0945	10	4	4	1	-15	7.0	0.4	2	3		1	3.3
3	86	5	1	0955	8	3	4	1	-25	7.3	0.9	3	3		1	3.3
3	86	5	1	0955	8	3	4	1	-25	7.3	0.9	5	3		1	3.3
3	86	5	1	1000	8	4	4	1	-30	7.3	0.9					3.3
4	86	5	13	1355	21	1	2	2	-5	9.2	31.3	2	3		350	0.9
4	86	5	13	1355	21	1	2	2	-5	9.2	31.3	1	4		661	0.9
4	86	5	13	1355	21	1	2	2	-5	9.2	31.3	3	3	3	1	0.9
4	86	5	13	1430	21	2	2	2	-40	9.2	31.3	1	4		214	1.0
4	86	5	13	1430	21	2	2	2	-40	9.2	31.3	2	3		221	1.0
4	86	5	13	1455	4	1	4	2	-60	10.3	0.5	2	3		2	1.1
4	86	5	13	1455	4	1	4	2	-60	10.3	0.5	5	3		1	1.1
4	86	5	13	1500	4	2	4	2	-70	10.3	0.5	2	3		65	1.1
4	86	5	13	1500	4	2	4	2	-70	10.3	0.5	5	3		11	1.1
4	86	5	13	1500	4	2	4	2	-70	10.3	0.5	1	4		13	1.1
4	86	5	13	1515	1	1	4	2	-85	11.4	0.8	2	3		339	1.1
4	86	5	13	1515	1	1	4	2	-85	11.4	0.8	5	3		52	1.1
4	86	5	13	1515	1	1	4	2	-85	11.4	0.8	1	4		11	1.1
4	86	5	13	1530	1	2	4	2	-100	11.4	0.8	2	3		329	1.2
4	86	5	13	1530	1	2	4	2	-100	11.4	0.8	5	3		98	1.2
4	86	5	13	1530	1	2	4	2	-100	11.4	0.8	1	4		3	1.2
4	86	5	13	1540	3	1	3	2	-110	10.9	3.1	5	3		4	1.2
4	86	5	13	1540	3	1	3	2	-110	10.9	3.1	2	3		2	1.2
4	86	5	13	1545	3	2	3	2	-115	10.9	3.1	3	4	4	7	1.4
4	86	5	13	1545	3	2	3	2	-115	10.9	3.1	5	4	4	11	1.4
4	86	5	13	1545	3	2	3	2	-115	10.9	3.1	5	3	3	20	1.4
4	86	5	13	1545	3	2	3	2	-115	10.9	3.1	2	3		2	1.4
4	86	5	13	1605	2	1	4	2	-135	11.2	1.1	5	3		1	1.5
4	86	5	13	1610	2	2	4	2	-140	11.2	1.1	5	3		1	1.6

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
4	86	5	14	0725	47	1	4	1	-40	9.3	0.0	5	3		7	3.4
4	86	5	14	0730	47	2	4	1	-45	9.3	0.0	5	3		77	3.4
4	86	5	14	0730	47	2	4	1	-45	9.3	0.0	2	3		10	3.4
4	86	5	14	0745	10	1	2	1	-60	9.0	0.2					3.4
4	86	5	14	0750	10	2	2	1	-65	9.0	0.2					3.4
4	86	5	14	0755	7	1	4	1	-70	9.2	0.8	5	3		4	3.3
4	86	5	14	0800	7	2	4	1	-75	9.2	0.8	2	3		2	3.3
4	86	5	14	0810	8	1	6	1	-85	9.5	0.6					3.3
4	86	5	14	0815	8	2	6	1	-90	9.5	0.6	2	3		25	3.3
4	86	5	14	0815	8	2	6	1	-90	9.5	0.6	5	3		67	3.3
4	86	5	14	0825	6	1	4	1	-100	9.4	1.3	5	3		8	3.0
4	86	5	14	0825	6	1	4	1	-100	9.4	1.3	2	3		3	3.0
4	86	5	14	0835	6	2	4	1	-110	9.4	1.3	2	3		109	3.0
4	86	5	14	0835	6	2	4	1	-110	9.4	1.3	5	3		31	3.0
4	86	5	14	0845	11	1	1	1	-120	9.6	2.9	5	3		23	2.9
4	86	5	14	0845	11	1	1	1	-120	9.6	2.9	2	3		83	2.9
4	86	5	14	0850	111	1	2	1	-125	9.9	2.7	5	3		2	2.9
4	86	5	14	0855	111	2	2	1	-130	9.9	2.7					2.9
4	86	5	14	0915	151	1	1	1	-150	9.9	2.6	2	3		263	2.8
4	86	5	14	0915	151	1	1	1	-150	9.9	2.6	5	3		170	2.8
4	86	5	14	0920	141	1	1	1	-155	10.3	1.5	2	3		47	2.8
4	86	5	14	0920	141	1	1	1	-155	10.3	1.5	5	3		79	2.8
4	86	5	14	0930	14	1	1	1	-165	10.3	1.5	2	3		30	2.7
4	86	5	14	0930	14	1	1	1	-165	10.3	1.5	5	3		27	2.7
4	86	5	14	0940	15	1	1	1	-175	9.9	2.6	2	3		8	2.6
4	86	5	14	0940	15	1	1	1	-175	9.9	2.6	5	3		8	2.6
4	86	5	14	0945	17	1	1	1	-180	9.9	2.6	2	3		28	2.5
4	86	5	14	0945	17	1	1	1	-180	9.9	2.6	5	3		48	2.5
4	86	5	14	0950	16	1	1	1	-185	10.3	1.5	5	3		4	2.5
4	86	5	14	1005	18	1	2	1	-210	10.7	2.0	2	3		82	2.4
4	86	5	14	1005	18	1	2	1	-210	10.7	2.0	5	3		67	2.4
4	86	5	14	1010	18	2	2	1	-215	10.7	2.0	5	3		91	2.4
4	86	5	14	1010	18	2	2	1	-215	10.7	2.0	2	3		125	2.4

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
4	86	5	14	1050	37	1	2	1	220	10.0	14.5	2	3		23	2.3
4	86	5	14	1050	37	1	2	1	220	10.0	14.5	5	3		7	2.3
4	86	5	14	1055	37	2	2	1	225	10.0	14.5	2	3		10	2.3
4	86	5	14	1055	37	2	2	1	225	10.0	14.5	5	3		7	2.3
4	86	5	14	1310	20	1	2	1	80	10.3	25.1					1.5
4	86	5	14	1315	20	2	2	1	75	10.3	25.1					1.5
4	86	5	14	1350	292	1	2	1	40	9.0	31.8					1.4
4	86	5	14	1355	292	2	2	1	35	9.0	31.8					1.4
4	86	5	14	1410	28	1	2	1	20	9.8	31.9	2	3		55	1.2
4	86	5	14	1410	28	1	2	1	20	9.8	31.9	1	4		2	1.2
4	86	5	14	1415	28	2	2	1	15	9.8	31.9	5	4	4	1	1.2
4	86	5	14	1415	28	2	2	1	15	9.8	31.9	2	3		3	1.2
4	86	5	14	1425	27	1	2	1	5	9.3	31.5	1	4		251	1.1
4	86	5	14	1425	27	1	2	1	5	9.3	31.5	2	3		191	1.1
4	86	5	14	1440	27	2	2	2	-10	9.3	31.5	1	4		29	1.1
4	86	5	14	1440	27	2	2	2	-10	9.3	31.5	2	3		27	1.1
4	86	5	14	1542	25	1	2	2	-72	9.6	31.4					1.3
4	86	5	14	1545	25	2	2	2	-75	9.6	31.4					1.3
4	86	5	14	1600	24	1	2	2	-90	9.5	31.7	1	4		11	1.5
4	86	5	14	1605	24	2	2	2	-95	9.5	31.7					1.5
4	86	5	14	1615	241	1	2	2	-105	11.3	29.7					1.5
4	86	5	14	1620	241	2	2	2	-110	11.3	29.7	5	4	4	1	1.5
4	86	5	14	1645	231	1	2	2	-135	9.2	31.9	2	3		97	1.6
4	86	5	14	1645	231	1	2	2	-135	9.2	31.9	1	4		254	1.6
4	86	5	14	1655	231	2	2	2	-145	9.2	31.9	1	4		13	1.7
4	86	5	14	1700	23	1	2	2	-150	9.5	31.9	1	4		1092	1.9
4	86	5	14	1700	23	1	2	2	-150	9.5	31.9	2	3		210	1.9
4	86	5	14	1715	23	2	2	2	-165	9.5	31.9					1.9
4	86	5	15	0840	47	3	4	1	-55	9.6	0.0	2	3		2	3.1
4	86	5	15	0845	47	4	4	1	-60	9.6	0.0	5	3		110	3.1
4	86	5	15	0845	47	4	4	1	-60	9.6	0.0	3	3	3	1	3.1
4	86	5	15	0845	47	4	4	1	-60	9.6	0.0	2	3		10	3.1
4	86	5	15	0850	47	3	6	1	-65	9.2	0.1					3.1

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
4	86	5	15	0855	8	4	6	1	-70	9.2	0.1	5	3		2	3.1
4	86	5	15	0900	7	3	4	1	-75	9.8	0.6	5	3		16	3.0
4	86	5	15	0900	7	3	4	1	-75	9.8	0.6	2	3		2	3.0
4	86	5	15	0900	7	3	4	1	-75	9.8	0.6	3	4	4	1	3.0
4	86	5	15	0905	7	4	4	1	-80	9.8	0.6	5	3		11	3.0
4	86	5	15	0905	7	4	4	1	-80	9.8	0.6	2	3		4	3.0
4	86	5	15	0910	8	5	6	1	-85	9.7	0.7	2	3		1	3.0
4	86	5	15	0910	8	5	6	1	-85	9.7	0.7	5	3		1	3.0
4	86	5	15	0915	8	6	6	1	-90	9.7	0.7	2	3		33	2.9
4	86	5	15	0915	8	6	6	1	-90	9.7	0.7	5	3		7	2.9
4	86	5	15	0930	6	3	4	1	-105	9.9	1.7	7	3		3	2.8
4	86	5	15	0930	6	3	4	1	-105	9.9	1.7	7	1		12	2.8
4	86	5	15	0930	6	3	4	1	-105	9.9	1.7	5	4	4	2	2.8
4	86	5	15	0930	6	3	4	1	-105	9.9	1.7	3	1	4	12	2.8
4	86	5	15	0930	6	3	4	1	-105	9.9	1.7	3	4	4	132	2.8
4	86	5	15	0930	6	3	4	1	-105	9.9	1.7	5	3	3	74	2.8
4	86	5	15	0930	6	3	4	1	-105	9.9	1.7	2	3	3	30	2.8
4	86	5	15	0945	6	4	4	1	-120	9.9	1.7	3	4	4	9	2.8
4	86	5	15	0945	6	4	4	1	-120	9.9	1.7	3	1	4	1	2.8
4	86	5	15	0945	6	4	4	1	-120	9.9	1.7	5	3		12	2.8
4	86	5	15	0945	6	4	4	1	-120	9.9	1.7	2	3	3	4	2.8
4	86	5	15	0950	4	3	4	1	-125	10.0	4.0	2	3		257	2.7
4	86	5	15	0950	4	3	4	1	-125	10.0	4.0	5	3	3	119	2.7
4	86	5	15	0950	4	3	4	1	-125	10.0	4.0	1	4		1	2.7
4	86	5	15	0955	4	4	4	1	-125	10.0	4.0	2	3		4	2.7
4	86	5	15	0955	4	4	4	1	-125	10.0	4.0	5	3		2	2.7
4	86	5	15	1000	1	3	4	1	-135	10.0	4.1					2.7
4	86	5	15	1005	1	4	4	1	-140	10.0	4.1	2	3		129	2.7
4	86	5	15	1005	1	4	4	1	-140	10.0	4.1	5	3		9	2.7
4	86	5	15	1014	2	3	4	1	-149	10.6	4.8	2	3		1	2.6
4	86	5	15	1015	2	4	4	1	-150	10.6	4.8	5	3		1	2.6
4	86	5	15	1020	3	3	4	1	-155	11.3	2.4	5	3		1	2.6
4	86	5	15	1025	3	4	4	1	-155	11.3	2.4	2	3		843	2.6

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
4	86	5	15	1025	3	4	4	1	-155	11.3	2.4	1	4		3	2.6
4	86	5	15	1025	3	4	4	1	-155	11.3	2.4	5	3		63	2.6
4	86	5	15	1040	34	1	2	1	-175	10.5	3.6					2.5
4	86	5	15	1045	34	2	2	1	-180	10.5	3.6	3	4	4	36	2.5
4	86	5	15	1045	34	2	2	1	-180	10.5	3.6	3	1	4	3	2.5
4	86	5	15	1045	34	2	2	1	-180	10.5	3.6	7	3		1	2.5
4	86	5	15	1045	34	2	2	1	-180	10.5	3.6	5	1	4	1	2.5
5	86	5	27	1220	47	1	4	1	100	10.4	0.0	5	3		32	1.0
5	86	5	27	1225	47	2	4	1	95	10.4	0.0	2	3		1	0.9
5	86	5	27	1225	47	2	4	1	95	10.4	0.0	5	3		129	0.9
5	86	5	27	1225	47	2	4	1	95	10.4	0.0	3	1		1	0.9
5	86	5	27	1230	10	1	4	1	90	10.5	0.0					0.8
5	86	5	27	1235	10	2	4	1	85	10.5	0.0	3	2		3	0.8
5	86	5	27	1235	10	2	4	1	85	10.5	0.0	5	3		132	0.8
5	86	5	27	1235	10	2	4	1	85	10.5	0.0	2	3		1	0.8
5	86	5	27	1245	7	1	6	1	75	11.6	0.4	3	2		98	0.8
5	86	5	27	1245	7	1	6	1	75	11.6	0.4	3	1		75	0.8
5	86	5	27	1245	7	1	6	1	75	11.6	0.4	5	3		5	0.8
5	86	5	27	1255	7	2	6	1	65	11.6	0.4	3	3	3	7	0.6
5	86	5	27	1255	7	2	6	1	65	11.6	0.4	3	2		26	0.6
5	86	5	27	1255	7	2	6	1	65	11.6	0.4	5	3		7	0.6
5	86	5	27	1255	7	2	6	1	65	11.6	0.4	6	3		1	0.6
5	86	5	27	1255	7	2	6	1	65	11.6	0.4	7	1		1	0.6
5	86	5	27	1305	8	1	2	1	55	11.4	0.0	5	3		28	0.5
5	86	5	27	1305	8	1	2	1	55	11.4	0.0	7	1		1	0.5
5	86	5	27	1305	8	1	2	1	55	11.4	0.0	3	2		5	0.5
5	86	5	27	1305	8	1	2	1	55	11.4	0.0	2	3		14	0.5
5	86	5	27	1315	8	2	2	1	45	11.4	0.0	2	3		3	0.4
5	86	5	27	1315	8	2	2	1	45	11.4	0.0	5	3		17	0.4
5	86	5	27	1330	151	1	1	1	30	9.7	0.0	5	3		157	0.3
5	86	5	27	1330	151	1	1	1	30	9.7	0.0	2	3		4	0.3
5	86	5	27	1330	151	1	1	1	30	9.7	0.0	3	3	3	1	0.3
5	86	5	27	1335	141	1	1	1	25			5	3		29	0.3

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
5	86	5	27	1335	141	1	1	1	25			2	3		12	0.3
5	86	5	27	1335	141	1	1	1	25			3	3	3	1	0.3
5	86	5	27	1340	14	1	1	1	20			5	3		323	0.3
5	86	5	27	1340	14	1	1	1	20			2	3		41	0.3
5	86	5	27	1340	14	1	1	1	20			3	3	3	2	0.3
5	86	5	27	1350	15	1	1	1	10	9.7	0.0	5	3		2265	0.3
5	86	5	27	1350	15	1	1	1	10	9.7	0.0	2	3		18	0.2
5	86	5	27	1350	15	1	1	1	10	9.7	0.0	3	3	3	4	0.2
5	86	5	27	1410	16	1	1	2	-10			5	3		110	0.2
5	86	5	27	1410	16	1	1	2	-10			2	3		4	0.2
5	86	5	27	1415	17	1	1	2	-15	9.7	0.0	5	3		1026	0.2
5	86	5	27	1415	17	1	1	2	-15	9.7	0.0	2	3		56	0.2
5	86	5	27	1415	17	1	1	2	-15	9.7	0.0	3	3	3	2	0.2
5	86	5	27	1505	21	1	2	2	-65	11.0	29.7	1	4		64	0.3
5	86	5	27	1505	21	1	2	2	-65	11.0	29.7	5	3		100	0.3
5	86	5	27	1505	21	1	2	2	-65	11.0	29.7	2	3		1172	0.3
5	86	5	27	1505	21	1	2	2	-65	11.0	29.7	3	2		70	0.3
5	86	5	27	1505	21	1	2	2	-65	11.0	29.7	3	1		24	0.3
5	86	5	27	1525	21	2	2	2	-85	11.0	29.7	2	3		159	0.7
5	86	5	27	1525	21	2	2	2	-85	11.0	29.7	3	2		3	0.7
5	86	5	27	1525	21	2	2	2	-85	11.0	29.7	5	3		51	0.7
5	86	5	27	1525	21	2	2	2	-85	11.0	29.7	1	4		19	0.7
5	86	5	27	1525	21	2	2	2	-85	11.0	29.7	3	1		1	0.7
5	86	5	27	1550	292	1	2	2	-110	10.4	30.0	3	2		310	0.8
5	86	5	27	1550	292	1	2	2	-110	10.4	30.0	3	1		16	0.8
5	86	5	27	1550	292	1	2	2	-110	10.4	30.0	1	4		740	0.8
5	86	5	27	1550	292	1	2	2	-110	10.4	30.0	2	3		2163	0.8
5	86	5	27	1610	292	2	2	2	-130	10.4	30.0	1	4		14	1.1
5	86	5	27	1610	292	2	2	2	-130	10.4	30.0	2	3		244	1.1
5	86	5	27	1610	292	2	2	2	-130	10.4	30.0	5	3		1	1.1
5	86	5	27	1630	34	1	4	2	-150	13.5	0.9	3	1		5	1.3
5	86	5	27	1630	34	1	4	2	-150	13.5	0.9	3	2		3	1.3
5	86	5	27	1630	34	1	4	2	-150	13.5	0.9	2	3		2	1.3

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
5	86	5	27	1630	34	1	4	2	-150	13.5	0.9	5	3		11	1.3
5	86	5	27	1635	34	2	4	2	-155	13.5	0.9					1.4
5	86	5	27	1650	1	1	4	2	-170	11.9	0.7	2	3		155	1.5
5	86	5	27	1650	1	1	4	2	-170	11.9	0.7	5	3		24	1.5
5	86	5	27	1650	1	1	4	2	-170	11.9	0.7	3	2		1	1.5
5	86	5	27	1700	1	2	4	2	-180	11.9	0.7	5	3		13	1.7
5	86	5	27	1700	1	2	4	2	-180	11.9	0.7	2	3		5	1.7
5	86	5	27	1700	1	2	4	2	-180	11.9	0.7	3	2		3	1.7
5	86	5	27	1700	1	2	4	2	-180	11.9	0.7	3	1		1	1.7
5	86	5	27	1715	3	1	4	2	-195	10.6	11.9	3	1		5	1.8
5	86	5	27	1715	3	1	4	2	-195	10.6	11.9	3	2		8	1.8
5	86	5	27	1715	3	1	4	2	-195	10.6	11.9	5	3		1	1.8
5	86	5	27	1715	3	1	4	2	-195	10.6	11.9	2	3		2	1.8
5	86	5	27	1720	3	2	4	2	-200	10.6	11.9					1.8
5	86	5	27	1730	4	1	2	2	-210	9.6	0.0	5	3		189	2.0
5	86	5	27	1730	4	1	2	2	-210	9.6	0.0	3	2		1	2.0
5	86	5	27	1730	4	1	2	2	-210	9.6	0.0	2	3		51	2.0
5	86	5	27	1730	4	1	2	2	-210	9.6	0.0	3	1		1	2.0
5	86	5	27	1740	4	2	2	2	210	9.6	0.0	3	1		35	2.0
5	86	5	27	1740	4	2	2	2	210	9.6	0.0	3	2		48	2.1
5	86	5	27	1740	4	2	2	2	210	9.6	0.0	5	3		248	2.1
5	86	5	27	1740	4	2	2	2	210	9.6	0.0	2	3		39	2.1
5	86	5	27	1740	4	2	2	2	210	9.6	0.0	3	3	3	2	2.1
5	86	5	27	1755	18	1	2	2	195	9.9	0.0	5	3		10	2.2
5	86	5	27	1800	18	2	2	2	190	9.9	0.0	5	3		8	2.3
5	86	5	27	1800	18	2	2	2	190	9.9	0.0	2	3		1	2.3
5	86	5	27	1805	11	1	1	2	185	11.0	1.1	5	3		18	2.3
5	86	5	27	1810	111	1	2	2	175	11.0	1.4	5	3		7	2.4
5	86	5	27	1810	111	1	2	2	175	11.0	1.4	3	2		14	2.4
5	86	5	27	1815	111	2	2	2	170	11.0	1.4					2.5
5	86	5	27	1825	37	1	2	2	160	11.1	1.8	2	3		16	2.6
5	86	5	27	1825	37	1	2	2	160	11.1	1.8	5	3		21	2.6
5	86	5	27	1830	37	2	2	2	155	11.1	1.8	3	2		40	2.7

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
5	86	5	27	1830	37	2	2	2	155	11.1	1.8	3	1		6	2.7
5	86	5	28	0800	7	3	6	1	-75	10.4	0.4	6	3		1	3.3
5	86	5	28	0800	7	3	6	1	-75	10.4	0.4	5	3		104	3.3
5	86	5	28	0800	7	3	6	1	-75	10.4	0.4	2	3		7	3.3
5	86	5	28	0805	7	4	6	1	-80	10.4	0.4	5	3		38	3.3
5	86	5	28	0805	7	4	6	1	-80	10.4	0.4	2	3		9	3.3
5	86	5	28	0815	6	1	2	1	-90	11.9	0.1	2	3		77	3.2
5	86	5	28	0815	6	1	2	1	-90	11.9	0.1	5	3		280	3.2
5	86	5	28	0815	6	1	2	1	-90	11.9	0.1	3	3	3	1	3.2
5	86	5	28	0825	6	2	2	1	-100	11.9	0.1	5	3		24	3.2
5	86	5	28	0825	6	2	2	1	-100	11.9	0.1	2	3		7	3.2
5	86	5	28	0825	6	2	2	1	-100	11.9	0.1	3	3	3	1	3.2
5	86	5	28	1005	23	1	2	1	-200			2	3		206	2.4
5	86	5	28	1005	23	1	2	1	-200			1	4		1092	2.4
5	86	5	28	1040	23	2	2	1	-235			2	3		16	2.2
5	86	5	28	1040	23	2	2	1	-235			1	4		18	2.2
5	86	5	28	1055	231	1	2	1	225	9.2	31.3	1	4		1595	2.2
5	86	5	28	1055	231	1	2	1	225	9.2	31.3	2	3		816	2.2
5	86	5	28	1120	231	2	2	1	200	9.2	31.3	1	4		260	1.9
5	86	5	28	1120	231	2	2	1	200	9.2	31.3	2	3		294	1.9
5	86	5	28	1120	231	2	2	1	200	9.2	31.3	5	3		1	1.9
5	86	5	28	1120	231	2	2	1	200	9.2	31.3	3	2		1	1.9
5	86	5	28	1120	231	2	2	1	200	9.2	31.3	3	1		1	1.9
5	86	5	28	1150	241	1	2	1	170	12.1	13.8					1.6
5	86	5	28	1155	241	2	2	1	165	12.1	13.8	3	2		44	1.6
5	86	5	28	1155	241	2	2	1	165	12.1	13.8	3	1		5	1.6
5	86	5	28	1210	24	1	2	1	150	9.8	30.8					1.5
5	86	5	28	1215	24	2	2	1	145	9.8	30.8					1.4
5	86	5	28	1230	25	1	2	1	130	9.8	30.5	2	3		1175	1.3
5	86	5	28	1235	25	2	2	1	125	9.8	30.5	2	3		153	1.3
5	86	5	28	1235	25	2	2	1	125	9.8	30.5	1	4		2	1.3
5	86	5	28	1330	27	1	2	1	70	10.7	30.5	3	1		1	0.9
5	86	5	28	1335	27	2	2	1	65	10.7	30.5	2	3		3553	0.9

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
5	86	5	28	1335	27	2	2	1	65	10.7	30.5	1	4		1026	0.9
5	86	5	28	1355	28	1	2	1	45	13.5	10.4					0.8
5	86	5	28	1400	28	2	2	1	40	13.5	10.4	2	3		521	0.7
5	86	5	28	1400	28	2	2	1	40	13.5	10.4	1	4		56	0.7
5	86	5	28	1400	28	2	2	1	40	13.5	10.4	5	3		1	0.7
5	86	5	28	1415	20	1	2	1	25	10.9	27.8	2	3		150	0.7
5	86	5	28	1415	20	1	2	1	25	10.9	27.8	5	3		7	0.7
5	86	5	28	1415	20	1	2	1	25	10.9	27.8	1	4		2	0.7
5	86	5	28	1430	20	2	2	1	10	10.9	27.8	5	3		30	0.6
5	86	5	28	1430	20	2	2	1	10	10.9	27.8	2	3		110	0.6
5	86	5	28	1430	20	2	2	1	10	10.9	27.8	1	4		3	0.6
5	86	5	28	1445	35	1	2	2	-5	16.2	7.2					0.6
5	86	5	28	1450	35	2	2	2	-10	16.2	7.2					0.6
5	86	5	28	1510	34	3	4	2	-30	13.3	1.4	2	3		1	0.6
5	86	5	28	1510	34	3	4	2	-30	13.3	1.4	5	3		3	0.6
5	86	5	28	1510	34	3	4	2	-30	13.3	1.4	3	1		7	0.6
5	86	5	28	1510	34	3	4	2	-30	13.3	1.4	3	2		4	0.6
5	86	5	28	1515	34	4	4	2	-35	13.3	1.4	7	3		1	0.6
5	86	5	28	1515	34	4	4	2	-35	13.3	1.4	5	3		1	0.7
5	86	5	28	1525	5	1	2	2	-45	13.1	1.8	3	2		1	0.7
5	86	5	28	1530	5	2	2	2	-50	13.1	1.8	3	1		7	0.7
5	86	5	28	1530	5	2	2	2	-50	13.1	1.8	3	2		34	0.7
5	86	5	28	1530	5	2	2	2	-50	13.1	1.8	5	3		1	0.7
5	86	5	28	1545	2	1	2	2	-65	13.0	1.9	3	2		504	0.8
5	86	5	28	1545	2	1	2	2	-65	13.0	1.9	3	1		35	0.8
5	86	5	28	1600	2	2	2	2	-80	13.0	1.9					0.9
5	86	5	28	1605	3	3	4	2	-85							0.9
5	86	5	28	1610	3	4	4	2	-90							1.0
5	86	5	28	1620	1	3	4	2	-100	12.9	2.4	2	3		14	1.1
5	86	5	28	1620	1	3	4	2	-100	12.9	2.4	5	3		27	1.1
5	86	5	28	1625	1	4	4	2	-105	12.9	2.4	5	3		18	1.2
5	86	5	29	0730	47	3	4	2	25	11.1	0.0	5	3		150	3.3
5	86	5	29	0730	47	3	4	2	25	11.1	0.0	2	3		2	3.3

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
5	86	5	29	0735	47	4	4	2	20	11.1	0.0	5	3		123	3.3
5	86	5	29	0735	47	4	4	2	20	11.1	0.0	2	3		2	3.3
5	86	5	29	0740	10	3	4	2	15	12.0	0.0	5	3		73	3.4
5	86	5	29	0745	10	4	4	2	10	12.0	0.0	3	3	3	3	3.4
5	86	5	29	0745	10	4	4	2	10	12.0	0.0	5	3		81	3.4
5	86	5	29	0800	7	5	6	1	-5	11.2	0.2	6	3		1	3.4
5	86	5	29	0800	7	5	6	1	-5	11.2	0.2	3	2		11	3.4
5	86	5	29	0800	7	5	6	1	-5	11.2	0.2	3	3	3	1	3.4
5	86	5	29	0800	7	5	6	1	-5	11.2	0.2	5	3		67	3.4
5	86	5	29	0800	7	5	6	1	-5	11.2	0.2	2	3		2	3.4
5	86	5	29	0805	7	6	6	1	-10	11.2	0.2	3	2		22	3.4
5	86	5	29	0805	7	6	6	1	-10	11.2	0.2	3	1		10	3.4
5	86	5	29	0805	7	6	6	1	-10	11.2	0.2	5	3		12	3.4
6	86	6	10	1240	7	1	6	1	15	14.3	0.7	3	1		59	0.7
6	86	6	10	1240	7	1	6	1	15	14.3	0.7	5	1		7	0.7
6	86	6	10	1240	7	1	6	1	15	14.3	0.7	5	3		10	0.7
6	86	6	10	1240	7	1	6	1	15	14.3	0.7	5	2		28	0.7
6	86	6	10	1240	7	1	6	1	15	14.3	0.7	3	2		532	0.7
6	86	6	10	1300	7	2	6	2	-5	14.3	0.7	3	1		28	0.7
6	86	6	10	1300	7	2	6	2	-5	14.3	0.7	3	2		178	0.7
6	86	6	10	1300	7	2	6	2	-5	14.3	0.7	5	1		7	0.7
6	86	6	10	1300	7	2	6	2	-5	14.3	0.7	5	3		14	0.7
6	86	6	10	1300	7	2	6	2	-5	14.3	0.7	5	2		21	0.7
6	86	6	10	1320	4	1	4	2	-25	13.0	1.5	5	3		62	0.8
6	86	6	10	1320	4	1	4	2	-25	13.0	1.5	5	2		1104	0.8
6	86	6	10	1320	4	1	4	2	-25	13.0	1.5	5	1		103	0.8
6	86	6	10	1320	4	1	4	2	-25	13.0	1.5	3	2		51	0.8
6	86	6	10	1320	4	1	4	2	-25	13.0	1.5	3	1		4	0.8
6	86	6	10	1335	4	2	4	2	-40	13.0	1.5	5	3		84	0.9
6	86	6	10	1335	4	2	4	2	-40	13.0	1.5	5	2		2676	0.9
6	86	6	10	1335	4	2	4	2	-40	13.0	1.5	5	1		150	0.9
6	86	6	10	1335	4	2	4	2	-40	13.0	1.5	3	2		132	0.9
6	86	6	10	1335	4	2	4	2	-40	13.0	1.5	3	1		12	0.9

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
6	86	6	10	1335	4	2	4	2	-40	13.0	1.5	2	3		12	0.9
6	86	6	10	1430	21	1	2	2	-95	11.8	29.6	5	3		56	1.4
6	86	6	10	1430	21	1	2	2	-95	11.8	29.6	5	2		94	1.4
6	86	6	10	1430	21	1	2	2	-95	11.8	29.6	1	4		103	1.4
6	86	6	10	1430	21	1	2	2	-95	11.8	29.6	2	3		117	1.4
6	86	6	10	1430	21	1	2	2	-95	11.8	29.6	3	2		17	1.4
6	86	6	10	1430	21	1	2	2	-95	11.8	29.6	3	1		7	1.4
6	86	6	10	1430	21	1	2	2	-95	11.8	29.6	5	1		2	1.4
6	86	6	10	1450	21	2	2	2	-115	11.8	29.6	5	3		19	1.6
6	86	6	10	1450	21	2	2	2	-115	11.8	29.6	5	2		10	1.6
6	86	6	10	1450	21	2	2	2	-115	11.8	29.6	2	3		5	1.6
6	86	6	10	1450	21	2	2	2	-115	11.8	29.6	3	2		2	1.6
6	86	6	10	1510	20	1	2	2	-135	9.8	30.8	2	3		92	1.7
6	86	6	10	1510	20	1	2	2	-135	9.8	30.8	5	2		1	1.7
6	86	6	10	1510	20	1	2	2	-135	9.8	30.8	5	3		3	1.7
6	86	6	10	1510	20	1	2	2	-135	9.8	30.8	1	4		17	1.7
6	86	6	10	1510	20	1	2	2	-135	9.8	30.8	3	1		1	1.7
6	86	6	10	1520	20	2	2	2	-155	9.8	30.8	2	3		8	1.8
6	86	6	10	1520	20	2	2	2	-155	9.8	30.8	5	3		1	1.8
6	86	6	10	1530	34	1	2	2	-165	12.4	29.6	5	2		154	1.9
6	86	6	10	1530	34	1	2	2	-165	12.4	29.6	3	2		315	1.9
6	86	6	10	1530	34	1	2	2	-165	12.4	29.6	3	1		29	1.9
6	86	6	10	1530	34	1	2	2	-165	12.4	29.6	5	1		7	1.9
6	86	6	10	1540	34	2	2	2	-175	12.4	29.6	5	3		25	2.0
6	86	6	10	1540	34	2	2	2	-175	12.4	29.6	5	2		32	2.0
6	86	6	10	1540	34	2	2	2	-175	12.4	29.6	5	1		2	2.0
6	86	6	10	1540	34	2	2	2	-175	12.4	29.6	3	1		5	2.0
6	86	6	10	1540	34	2	2	2	-175	12.4	29.6	3	2		57	2.0
6	86	6	10	1540	34	2	2	2	-175	12.4	29.6	2	3		2	2.0
6	86	6	10	1555	1	1	6	2	-180	13.2	0.5	5	3		4	2.1
6	86	6	10	1600	1	2	6	2	-185	13.2	0.5	5	3		3	2.1
6	86	6	10	1600	1	2	6	2	-185	13.2	0.5	5	2		3	2.1
6	86	6	10	1600	1	2	6	2	-185	13.2	0.5	3	2		1	2.1

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
6	86	6	10	1615	6	1	2	2	-200	12.7	0.0	5	2		85	2.3
6	86	6	10	1615	6	1	2	2	-200	12.7	0.0	5	3		318	2.3
6	86	6	10	1615	6	1	2	2	-200	12.7	0.0	3	2		5	2.3
6	86	6	10	1615	6	1	2	2	-200	12.7	0.0	5	1		10	2.3
6	86	6	10	1615	6	1	2	2	-200	12.7	0.0	3	1		2	2.3
6	86	6	10	1615	6	1	2	2	-200	12.7	0.0	2	3		4	2.3
6	86	6	10	1630	6	2	2	2	-215	12.7	0.0	5	3		35	2.5
6	86	6	10	1630	6	2	2	2	-215	12.7	0.0	5	2		10	2.5
6	86	6	10	1630	6	2	2	2	-215	12.7	0.0	2	3		1	2.5
6	86	6	10	1630	6	2	2	2	-215	12.7	0.0	5	1		1	2.5
6	86	6	10	1630	6	2	2	2	-215	12.7	0.0	3	1		1	2.5
6	86	6	10	1630	6	2	2	2	-215	12.7	0.0	3	2		5	2.5
6	86	6	10	1645	3	1	2	2	210	13.4	1.6	6	3		2	2.5
6	86	6	10	1645	3	1	2	2	210	13.4	1.6	5	3		2	2.5
6	86	6	10	1650	3	2	2	2	205	13.4	1.6	5	3		7	2.6
6	86	6	10	1655	37	1	2	2	200			6	3		1	2.6
6	86	6	10	1655	37	1	2	2	200			5	3		15	2.6
6	86	6	10	1655	37	1	2	2	200			3	3		1	2.6
6	86	6	10	1655	37	1	2	2	200			5	1		2	2.6
6	86	6	10	1655	37	1	2	2	200			5	2		32	2.6
6	86	6	10	1655	37	1	2	2	200			3	2		3	2.6
6	86	6	10	1700	37	2	2	2	195			5	3		4	2.7
6	86	6	10	1700	37	2	2	2	195			2	3		1	2.7
6	86	6	10	1700	37	2	2	2	195			3	2		116	2.7
6	86	6	10	1700	37	2	2	2	195			5	2		136	2.7
6	86	6	10	1700	37	2	2	2	195			3	1		15	2.7
6	86	6	10	1700	37	2	2	2	195			6	3		1	2.7
6	86	6	10	1700	37	2	2	2	195			5	1		8	2.7
6	86	6	10	1730	8	1	2	2	165	13.6	0.2	5	1		14	2.9
6	86	6	10	1730	8	1	2	2	165	13.6	0.2	5	2		79	2.9
6	86	6	10	1730	8	1	2	2	165	13.6	0.2	3	2		73	2.9
6	86	6	10	1730	8	1	2	2	165	13.6	0.2	5	3		1	2.9
6	86	6	10	1730	8	1	2	2	165	13.6	0.2	3	1		7	2.9

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
6	86	6	10	1740	8	2	2	2	155	13.6	0.2	5	1		16	3.0
6	86	6	10	1740	8	2	2	2	155	13.6	0.2	5	2		46	3.0
6	86	6	10	1740	8	2	2	2	155	13.6	0.2	3	2		98	3.0
6	86	6	10	1740	8	2	2	2	155	13.6	0.2	3	1		20	3.0
6	86	6	11	0720	47	1	4	1	-135	13.0	0.0	5	3		6	3.0
6	86	6	11	0725	47	2	4	1	-140	13.0	0.0	3	3		3	2.9
6	86	6	11	0725	47	2	4	1	-140	13.0	0.0	5	3		112	2.9
6	86	6	11	0730	10	1	4	1	-145	12.5	0.0					2.9
6	86	6	11	0735	10	2	4	1	-150	12.5	0.0	5	3		22	2.9
6	86	6	11	0735	10	2	4	1	-150	12.5	0.0	5	2		1	2.9
6	86	6	11	0815	25	1	2	1	-190	10.1	30.6	5	2		7	2.6
6	86	6	11	0815	25	1	2	1	-190	10.1	30.6	3	2		3	2.6
6	86	6	11	0820	25	2	2	1	-195	10.1	30.6	5	2		1	2.6
6	86	6	11	0820	25	2	2	1	-195	10.1	30.6	2	3		1	2.6
6	86	6	11	0830	24	1	2	1	-205	9.5	28.2	5	3		1	2.5
6	86	6	11	0830	24	1	2	1	-205	9.5	28.2	2	3		2	2.5
6	86	6	11	0835	24	2	2	1	-210	9.5	28.2	2	3		1	2.5
6	86	6	11	0845	241	1	2	1	-220	10.0	31.8	5	2		13	2.4
6	86	6	11	0845	241	1	2	1	-220	10.0	31.8	5	3		1	2.4
6	86	6	11	0845	241	1	2	1	-220	10.0	31.8	2	3		9	2.4
6	86	6	11	0845	241	1	2	1	-220	10.0	31.8	3	1		1	2.4
6	86	6	11	0845	241	1	2	1	-220	10.0	31.8	3	2		58	2.4
6	86	6	11	0845	241	1	2	1	-220	10.0	31.8	6	3		2	2.4
6	86	6	11	0855	241	2	2	1	-230	10.0	31.8					2.7
6	86	6	11	0920	231	2	2	1	245	10.0	31.5	5	3		7	2.2
6	86	6	11	0920	231	2	2	1	245	10.0	31.5	2	3		174	2.2
6	86	6	11	0920	231	2	2	1	245	10.0	31.5	1	4		11	2.2
6	86	6	11	0920	231	2	2	1	245	10.0	31.5	5	2		95	2.2
6	86	6	11	0920	231	2	2	1	245	10.0	31.5	3	2		19	2.2
6	86	6	11	0920	231	2	2	1	245	10.0	31.5	3	1		2	2.2
6	86	6	11	0940	231	2	2	1	225	10.0	31.5	2	3		78	2.1
6	86	6	11	0940	231	2	2	1	225	10.0	31.5	5	2		15	2.1
6	86	6	11	0940	231	2	2	1	225	10.0	31.5	3	2		6	2.1

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
6	86	6	11	0940	231	2	2	1	225	10.0	31.5	5	1		3	2.1
6	86	6	11	0940	231	2	2	1	225	10.0	31.5	3	1		1	2.1
6	86	6	11	0940	231	2	2	1	225	10.0	31.5	5	3		2	2.1
6	86	6	11	0955	23	1	2	1	210	10.4	31.5	2	3		2534	2.0
6	86	6	11	0955	23	1	2	1	210	10.4	31.5	1	4		378	2.0
6	86	6	11	1010	23	2	2	1	-195	10.4	31.5	2	3		215	1.9
6	86	6	11	1010	23	2	2	1	-195	10.4	31.5	1	4		11	1.9
6	86	6	11	1010	23	2	2	1	-195	10.4	31.5	5	2		4	1.9
6	86	6	11	1010	23	2	2	1	-195	10.4	31.5	5	1		1	1.9
6	86	6	11	1225	27	1	2	1	60	13.1	28.8	2	3		759	1.1
6	86	6	11	1225	27	1	2	1	60	13.1	28.8	1	4		846	1.1
6	86	6	11	1225	27	1	2	1	60	13.1	28.8	5	3		9	1.1
6	86	6	11	1240	27	2	2	1	45	13.1	28.8	2	3		283	1.0
6	86	6	11	1240	27	2	2	1	45	13.1	28.8	1	4		379	1.0
6	86	6	11	1240	27	2	2	1	45	13.1	28.8	5	2		1	1.0
6	86	6	11	1240	27	2	2	1	45	13.1	28.8	5	3		1	1.0
6	86	6	11	1320	28	1	2	1	5	11.4	30.5	2	3		945	0.8
6	86	6	11	1320	28	1	2	1	5	11.4	30.5	1	4		252	0.8
6	86	6	11	1320	28	1	2	1	5	11.4	30.5	5	3		9	0.8
6	86	6	11	1330	28	2	2	2	-5	11.4	30.5	1	4		8	0.8
6	86	6	11	1330	28	2	2	2	-5	11.4	30.5	2	3		28	0.8
6	86	6	11	1330	28	2	2	2	-5	11.4	30.5	5	3		2	0.8
6	86	6	11	1345	292	1	2	2	-20	13.6	28.7	2	3		704	0.8
6	86	6	11	1345	292	1	2	2	-20	13.6	28.7	1	4		48	0.8
6	86	6	11	1345	292	1	2	2	-20	13.6	28.7	3	2		70	0.8
6	86	6	11	1345	292	1	2	2	-20	13.6	28.7	5	2		81	0.8
6	86	6	11	1345	292	1	2	2	-20	13.6	28.7	5	3		18	0.8
6	86	6	11	1345	292	1	2	2	-20	13.6	28.7	3	1		11	0.8
6	86	6	11	1355	292	2	2	2	-30	13.6	28.7	2	3		62	0.8
6	86	6	11	1355	292	2	2	2	-30	13.6	28.7	1	4		5	0.8
6	86	6	11	1355	292	2	2	2	-30	13.6	28.7	5	3		1	0.8
6	86	6	11	1500	35	1	2	2	-95	13.5	10.5	5	3		1	1.3
6	86	6	11	1505	35	2	2	2	-100	13.5	10.5	5	3		33	1.3

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
6	86	6	11	1505	35	2	2	1	-100	13.5	10.5	3	2		3	1.3
6	86	6	11	1505	35	2	2	1	-100	13.5	10.5	2	3		2	1.3
6	86	6	11	1505	35	2	2	1	-100	13.5	10.5	3	1		1	1.3
6	86	6	11	1505	35	2	2	1	-100	13.5	10.5	1	4		1	1.3
6	86	6	11	1505	35	2	2	1	-100	13.5	10.5	5	2		1	1.3
6	86	6	11	1515	5	1	2	2	-110	15.5	1.4	3	2		450	1.5
6	86	6	11	1515	5	1	2	2	-110	15.5	1.4	5	2		885	1.5
6	86	6	11	1515	5	1	2	2	-110	15.5	1.4	5	1		75	1.5
6	86	6	11	1515	5	1	2	2	-110	15.5	1.4	3	1		15	1.5
6	86	6	11	1515	5	1	2	2	-110	15.5	1.4	5	3		7	1.5
6	86	6	11	1515	5	1	2	2	-110	15.5	1.4	2	3		30	1.5
6	86	6	11	1525	5	2	2	2	-120	15.5	1.4	3	2		148	1.6
6	86	6	11	1525	5	2	2	2	-120	15.5	1.4	5	2		477	1.6
6	86	6	11	1525	5	2	2	2	-120	15.5	1.4	3	1		18	1.6
6	86	6	11	1525	5	2	2	2	-120	15.5	1.4	5	1		36	1.6
6	86	6	11	1525	5	2	2	2	-120	15.5	1.4	2	3		18	1.6
6	86	6	11	1525	5	2	2	2	-120	15.5	1.4	5	3		4	1.6
6	86	6	11	1540	1	3	6	2	-135	14.6	1.4	5	3		74	1.7
6	86	6	11	1540	1	3	6	2	-135	14.6	1.4	5	2		57	1.7
6	86	6	11	1540	1	3	6	2	-135	14.6	1.4	3	2		14	1.7
6	86	6	11	1540	1	3	6	2	-135	14.6	1.4	3	1		3	1.7
6	86	6	11	1540	1	3	6	2	-135	14.6	1.4	5	1		2	1.7
6	86	6	11	1540	1	3	6	2	-135	14.6	1.4	2	3		2	1.7
6	86	6	11	1545	1	4	6	2	-140	14.6	1.4	5	3		21	1.7
6	86	6	11	1550	2	1	2	2	-145	14.4	1.1	5	3		16	1.7
6	86	6	11	1550	2	1	2	2	-145	14.4	1.1	2	3		1	1.7
6	86	6	11	1555	2	2	2	2	-150	14.4	1.1	5	3		123	1.8
6	86	6	11	1555	2	2	2	2	-150	14.4	1.1	2	3		3	1.8
6	86	6	11	1610	7	3	6	2	-165	14.1	0.2	3	2		550	1.9
6	86	6	11	1610	7	3	6	2	-165	14.1	0.2	5	2		93	1.9
6	86	6	11	1610	7	3	6	2	-165	14.1	0.2	3	1		82	1.9
6	86	6	11	1610	7	3	6	2	-165	14.1	0.2	5	1		11	1.9
6	86	6	11	1610	7	3	6	2	-165	14.1	0.2	5	3		44	1.9

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
6	86	6	11	1610	7	3	6	2	-165	14.1	0.2	2	3		5	1.9
6	86	6	11	1620	7	4	6	2	-175	14.1	0.2	5	3		69	2.0
6	86	6	11	1620	7	4	6	2	-175	14.1	0.2	5	2		21	2.0
6	86	6	11	1620	7	4	6	2	-175	14.1	0.2	3	2		37	2.0
6	86	6	11	1620	7	4	6	2	-175	14.1	0.2	5	1		1	2.0
6	86	6	11	1620	7	4	6	2	-175	14.1	0.2	3	1		5	2.0
6	86	6	11	1630	17	1	1	2	-185	15.0	0.0	5	3		53	2.1
6	86	6	11	1635	16	1	1	2	-190	14.6	0.0	5	3		21	2.1
6	86	6	11	1640	15	1	1	2	-195	15.0	0.0	5	3		84	2.2
6	86	6	11	1645	14	1	1	2	-200	14.6	0.0	5	3		121	2.2
6	86	6	11	1650	141	1	1	2	-205	14.6	0.0	5	3		73	2.2
6	86	6	11	1650	141	1	1	2	-205	14.6	0.0	2	3		1	2.2
6	86	6	11	1655	151	1	1	2	-210	15.0	0.0	5	3		1	2.3
6	86	6	11	1705	18	1	2	2	-220	14.4	0.0	5	3		50	2.4
6	86	6	11	1710	18	2	2	2	-225	14.4	0.0	5	3		41	2.4
6	86	6	11	1715	11	1	1	2	165	14.1	1.3	5	2		9	2.5
6	86	6	11	1715	11	1	1	2	165	14.1	1.3	5	3		66	2.5
6	86	6	11	1715	11	1	1	2	165	14.1	1.3	5	1		2	2.5
6	86	6	11	1715	11	1	1	2	165	14.1	1.3	3	2		14	2.5
6	86	6	11	1730	111	1	2	2	140	14.5	0.8	5	3		14	2.6
6	86	6	11	1735	111	2	2	2	135	14.5	0.8	5	1		1	2.6
6	86	6	11	1735	111	2	2	2	135	14.5	0.8	5	3		2	2.6
6	86	6	11	1735	111	2	2	2	135	14.5	0.8	3	2		2	2.6
6	86	6	12	0710	47	3	4	1	-75	13.7	0.0	5	3		7	3.2
6	86	6	12	0715	47	4	4	1	-80	13.7	0.0	5	3		31	3.2
6	86	6	12	0715	47	4	4	1	-80	13.7	0.0	2	3		1	3.2
6	86	6	12	0720	10	3	4	1	-85	12.8	0.0					3.1
6	86	6	12	0725	10	4	4	1	-90	12.8	0.0					3.1
6	86	6	12	0730	7	5	6	1	-95	13.3	0.3	5	3		10	3.1
6	86	6	12	0735	7	6	6	1	-100	13.3	0.3	5	2		57	3.1
6	86	6	12	0735	7	6	6	1	-100	13.3	0.3	5	1		9	3.1
6	86	6	12	0735	7	6	6	1	-100	13.3	0.3	3	2		15	3.1
6	86	6	12	0735	7	6	6	1	-100	13.3	0.3	3	1		1	3.1

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
6	86	6	12	0735	7	6	6	1	-100	13.3	0.3	5	3		4	3.1
6	86	6	12	0810	1	5	6	1	-135	12.8	2.8	5	2		39	2.9
6	86	6	12	0810	1	5	6	1	-135	12.8	2.8	5	3		7	2.9
6	86	6	12	0810	1	5	6	1	-135	12.8	2.8	3	2		4	2.9
6	86	6	12	0810	1	5	6	1	-135	12.8	2.8	5	1		1	2.9
6	86	6	12	0815	1	6	6	1	-140	12.8	2.8	2	3		2	2.8
6	86	6	12	0815	1	6	6	1	-140	12.8	2.8	5	2		49	2.8
6	86	6	12	0815	1	6	6	1	-140	12.8	2.8	3	1		4	2.8
6	86	6	12	0815	1	6	6	1	-140	12.8	2.8	5	1		10	2.8
6	86	6	12	0815	1	6	6	1	-140	12.8	2.8	3	2		28	2.8
6	86	6	12	0815	1	6	6	1	-140	12.8	2.8	5	3		6	2.8
6	86	6	12	0825	4	3	4	1	-150	12.9	3.5	5	2		370	2.7
6	86	6	12	0825	4	3	4	1	-150	12.9	3.5	5	1		20	2.7
6	86	6	12	0825	4	3	4	1	-150	12.9	3.5	3	2		16	2.7
6	86	6	12	0825	4	3	4	1	-150	12.9	3.5	3	1		7	2.7
6	86	6	12	0825	4	3	4	1	-150	12.9	3.5	2	3		2	2.7
6	86	6	12	0825	4	3	4	1	-150	12.9	3.5	5	3		1	2.7
6	86	6	12	0835	4	4	4	1	-160	12.9	3.5	5	2		232	2.7
6	86	6	12	0835	4	4	4	1	-160	12.9	3.5	3	2		7	2.7
6	86	6	12	0835	4	4	4	1	-160	12.9	3.5	5	1		11	2.7
6	86	6	12	0835	4	4	4	1	-160	12.9	3.5	3	1		2	2.7
6	86	6	12	0835	4	4	4	1	-160	12.9	3.5	5	3		4	2.7
7	86	6	25	1324	7	1	4	1	6	17.2	0.3	5	3		7	0.4
7	86	6	25	1324	7	1	4	1	6	17.2	0.3	3	2		7	0.4
7	86	6	25	1324	7	1	4	1	6	17.2	0.3	3	3		1	0.4
7	86	6	25	1329	7	2	4	1	1	17.2	0.3	3	2		5	0.4
7	86	6	25	1329	7	2	4	1	1	17.2	0.3	5	2		1	0.4
7	86	6	25	1329	7	2	4	1	1	17.2	0.3	5	3		10	0.4
7	86	6	25	1329	7	2	4	1	1	17.2	0.3	3	1		1	0.4
7	86	6	25	1355	1	1	4	2	-25	15.0	14.6	5	3		1	0.4
7	86	6	25	1355	1	1	4	2	-25	15.0	14.6	3	3		1	0.4
7	86	6	25	1400	1	2	4	2	-30	15.0	14.6	5	2		1	0.4
7	86	6	25	1400	1	2	4	2	-30	15.0	14.6	3	2		6	0.4

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
7	86	6	25	1400	1	2	4	2	-30	15.0	14.6	2	3		2	0.4
7	86	6	25	1405	3	1	2	2	-35	15.4	7.5					0.4
7	86	6	25	1410	3	2	2	2	-40	15.4	7.5	1	4		1	0.4
7	86	6	25	1410	3	2	2	2	-40	15.4	7.5	5	3		5	0.4
7	86	6	25	1410	3	2	2	2	-40	15.4	7.5	2	3		5	0.4
7	86	6	25	1437	2	1	4	2	-67	15.0	10.9	5	2		46	0.4
7	86	6	25	1437	2	1	4	2	-67	15.0	10.9	5	1		8	0.4
7	86	6	25	1437	2	1	4	2	-67	15.0	10.9	5	3		2	0.4
7	86	6	25	1437	2	1	4	2	-67	15.0	10.9	3	2		14	0.4
7	86	6	25	1437	2	1	4	2	-67	15.0	10.9	3	1		1	0.4
7	86	6	25	1448	2	2	4	2	-78	15.0	10.9	3	2		6	0.6
7	86	6	25	1448	2	2	4	2	-78	15.0	10.9	5	1		26	0.6
7	86	6	25	1448	2	2	4	2	-78	15.0	10.9	5	2		66	0.6
7	86	6	25	1500	4	1	4	2	-90	14.4	0.5	5	2		38	0.7
7	86	6	25	1500	4	1	4	2	-90	14.4	0.5	5	1		2	0.7
7	86	6	25	1500	4	1	4	2	-90	14.4	0.5	3	3		1	0.7
7	86	6	25	1500	4	1	4	2	-90	14.4	0.5	5	3		4	0.7
7	86	6	25	1500	4	1	4	2	-90	14.4	0.5	3	2		1	0.7
7	86	6	25	1506	4	2	4	2	-96	14.4	0.5	5	2		30	0.8
7	86	6	25	1506	4	2	4	2	-96	14.4	0.5	5	1		1	0.8
7	86	6	25	1506	4	2	4	2	-96	14.4	0.5	3	4		1	0.8
7	86	6	25	1506	4	2	4	2	-96	14.4	0.5	5	3		1	0.8
7	86	6	25	1516	5	1	2	2	-106	14.9	1.6	5	2		693	0.9
7	86	6	25	1516	5	1	2	2	-106	14.9	1.6	5	1		7	0.9
7	86	6	25	1516	5	1	2	2	-106	14.9	1.6	5	3		7	0.9
7	86	6	25	1516	5	1	2	2	-106	14.9	1.6	3	1		7	0.9
7	86	6	25	1527	5	2	2	2	-117	14.9	1.6	3	2		3	0.9
7	86	6	25	1527	5	2	2	2	-117	14.9	1.6	5	2		23	0.9
7	86	6	25	1527	5	2	2	2	-117	14.9	1.6	5	3		4	0.9
7	86	6	25	1527	5	2	2	2	-117	14.9	1.6	3	3		1	0.9
7	86	6	25	1543	21	1	4	2	-133	12.8	29.3	5	2		20	1.1
7	86	6	25	1543	21	1	4	2	-133	12.8	29.3	2	3		12	1.1
7	86	6	25	1543	21	1	4	2	-133	12.8	29.3	1	4		1	1.1

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
7	86	6	25	1543	21	1	4	2	-133	12.8	29.3	3	2		1	1.1
7	86	6	25	1543	21	1	4	2	-133	12.8	29.3	5	1		1	1.1
7	86	6	25	1551	21	2	4	2	-141	12.8	29.3	5	2		47	1.2
7	86	6	25	1551	21	2	4	2	-141	12.8	29.3	5	3		1	1.2
7	86	6	25	1551	21	2	4	2	-141	12.8	29.3	3	2		1	1.2
7	86	6	25	1551	21	2	4	2	-141	12.8	29.3	2	3		3	1.2
7	86	6	25	1551	21	2	4	2	-141	12.8	29.3	1	4		2	1.2
7	86	6	25	1627	20	1	2	2	-177	11.5	28.6	5	2		17	1.8
7	86	6	25	1627	20	1	2	2	-177	11.5	28.6	1	4		2	1.8
7	86	6	25	1627	20	1	2	2	-177	11.5	28.6	5	3		2	1.8
7	86	6	25	1627	20	1	2	2	-177	11.5	28.6	2	3		7	1.8
7	86	6	25	1645	20	2	2	2	-195	11.5	28.6	5	2		44	2.0
7	86	6	25	1645	20	2	2	2	-195	11.5	28.6	2	3		8	2.0
7	86	6	25	1645	20	2	2	2	-195	11.5	28.6	5	3		4	2.0
7	86	6	25	1645	20	2	2	2	-195	11.5	28.6	3	2		1	2.0
7	86	6	25	1645	20	2	2	2	-195	11.5	28.6	1	4		20	2.0
7	86	6	25	1645	20	2	2	2	-195	11.5	28.6	5	1		5	2.0
7	86	6	25	1704	27	1	2	2	215	13.0	11.0	2	3		85	2.2
7	86	6	25	1704	27	1	2	2	215	13.0	11.0	1	4		75	2.2
7	86	6	25	1704	27	1	2	2	215	13.0	11.0	5	3		14	2.2
7	86	6	25	1712	27	2	2	2	207	13.0	11.0	2	3		15	2.3
7	86	6	25	1712	27	2	2	2	207	13.0	11.0	1	4		17	2.3
7	86	6	25	1712	27	2	2	2	207	13.0	11.0	5	3		5	2.3
7	86	6	25	1712	27	2	2	2	207	13.0	11.0	5	2		1	2.3
7	86	6	25	1724	28	1	2	2	195	11.9	30.9	5	4		1	2.5
7	86	6	25	1730	28	2	2	2	189	11.9	30.9	2	3		11	2.6
7	86	6	25	1730	28	2	2	2	189	11.9	30.9	1	4		2	2.6
7	86	6	26	1030	21	3	4	1	-220	11.6	30.0	2	3		166	2.1
7	86	6	26	1030	21	3	4	1	-220	11.6	30.0	5	3		2	2.1
7	86	6	26	1030	21	3	4	1	-220	11.6	30.0	5	2		13	2.1
7	86	6	26	1030	21	3	4	1	-220	11.6	30.0	3	2		2	2.1
7	86	6	26	1030	21	3	4	1	-220	11.6	30.0	5	1		1	2.1
7	86	6	26	1030	21	3	4	1	-220	11.6	30.0	3	3		1	2.1

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
7	86	6	26	1030	21	3	4	1	-220	11.6	30.0	1	4		131	2.1
7	86	6	26	1100	21	4	4	1	195	11.6	30.0	2	3		51	1.8
7	86	6	26	1100	21	4	4	1	195	11.6	30.0	1	4		57	1.8
7	86	6	26	1100	21	4	4	1	195	11.6	30.0	5	2		10	1.8
7	86	6	26	1100	21	4	4	1	195	11.6	30.0	5	3		1	1.8
7	86	6	26	1100	21	4	4	1	195	11.6	30.0	6	3		1	1.8
7	86	6	26	1205	23	1	2	1	130	12.3	30.3	3	2		15	1.4
7	86	6	26	1205	23	1	2	1	130	12.3	30.3	3	1		4	1.4
7	86	6	26	1205	23	1	2	1	130	12.3	30.3	5	2		341	1.4
7	86	6	26	1205	23	1	2	1	130	12.3	30.3	1	4		176	1.4
7	86	6	26	1205	23	1	2	1	130	12.3	30.3	2	3		447	1.4
7	86	6	26	1205	23	1	2	1	130	12.3	30.3	5	3		37	1.4
7	86	6	26	1205	23	1	2	1	130	12.3	30.3	5	1		7	1.4
7	86	6	26	1230	23	2	2	1	105	12.3	30.3	5	1		18	1.2
7	86	6	26	1230	23	2	2	1	105	12.3	30.3	5	2		592	1.2
7	86	6	26	1230	23	2	2	1	105	12.3	30.3	5	3		56	1.2
7	86	6	26	1230	23	2	2	1	105	12.3	30.3	2	3		396	1.2
7	86	6	26	1230	23	2	2	1	105	12.3	30.3	1	4		144	1.2
7	86	6	26	1230	23	2	2	1	105	12.3	30.3	3	2		35	1.2
7	86	6	26	1250	231	1	2	1	90	10.9	31.3	2	3		202	1.1
7	86	6	26	1250	231	1	2	1	90	10.9	31.3	5	3		40	1.1
7	86	6	26	1250	231	1	2	1	90	10.9	31.3	3	2		1	1.1
7	86	6	26	1250	231	1	2	1	90	10.9	31.3	3	1		1	1.1
7	86	6	26	1250	231	1	2	1	90	10.9	31.3	1	4		176	1.1
7	86	6	26	1250	231	1	2	1	90	10.9	31.3	5	2		7	1.1
7	86	6	26	1307	231	2	2	1	68	10.9	31.3	2	3		666	1.0
7	86	6	26	1307	231	2	2	1	68	10.9	31.3	1	4		708	1.0
7	86	6	26	1307	231	2	2	1	68	10.9	31.3	5	2		9	1.0
7	86	6	26	1345	241	1	2	1	30	16.5	26.7	3	2		36	0.8
7	86	6	26	1345	241	1	2	1	30	16.5	26.7	5	2		178	0.8
7	86	6	26	1345	241	1	2	1	30	16.5	26.7	2	3		82	0.8
7	86	6	26	1345	241	1	2	1	30	16.5	26.7	1	4		32	0.8
7	86	6	26	1345	241	1	2	1	30	16.5	26.7	5	3		2	0.8

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
7	86	6	26	1345	241	1	2	1	30	16.5	26.7	5	1		6	0.8
7	86	6	26	1345	241	1	2	1	30	16.5	26.7	6	3		4	0.8
7	86	6	26	1400	241	2	2	1	15	16.5	26.7	5	2		159	0.8
7	86	6	26	1400	241	2	2	1	15	16.5	26.7	3	2		69	0.8
7	86	6	26	1400	241	2	2	1	15	16.5	26.7	2	3		39	0.8
7	86	6	26	1400	241	2	2	1	15	16.5	26.7	1	4		12	0.8
7	86	6	26	1400	241	2	2	1	15	16.5	26.7	5	1		8	0.8
7	86	6	26	1400	241	2	2	1	15	16.5	26.7	6	3		2	0.8
7	86	6	26	1500	24	1	2	2	-45	11.8	30.6	2	3		308	0.9
7	86	6	26	1500	24	1	2	2	-45	11.8	30.6	1	4		522	0.9
7	86	6	26	1500	24	1	2	2	-45	11.8	30.6	5	3		4	0.9
7	86	6	26	1500	24	1	2	2	-45	11.8	30.6	3	4		11	0.9
7	86	6	26	1500	24	1	2	2	-45	11.8	30.6	5	2		7	0.9
7	86	6	26	1520	24	2	2	2	-55	11.8	30.6					1.0
7	86	6	26	1535	25	1	2	2	-70	11.1	29.7	3	4		5	1.1
7	86	6	26	1535	25	1	2	2	-70	11.1	29.7	5	4		1	1.1
7	86	6	26	1535	25	1	2	2	-70	11.1	29.7	2	3		2	1.1
7	86	6	26	1535	25	1	2	2	-70	11.1	29.7	1	4		1	1.1
7	86	6	26	1540	25	2	2	2	-75	11.1	29.7	2	3		1	1.2
7	86	6	26	1625	34	1	2	2	-110	15.0	20.3	5	2		765	1.7
7	86	6	26	1625	34	1	2	2	-110	15.0	20.3	3	2		70	1.7
7	86	6	26	1645	34	2	2	2	-130	15.0	20.3	3	2		68	1.9
7	86	6	26	1645	34	2	2	2	-130	15.0	20.3	5	2		306	1.9
7	86	6	26	1645	34	2	2	2	-130	15.0	20.3	2	3		5	1.9
7	86	6	26	1730	11	1	1	2	-195			3	2		9	2.4
7	86	6	26	1730	11	1	1	2	-195			5	1		1	2.4
7	86	6	26	1730	11	1	1	2	-195			5	2		35	2.4
7	86	6	26	1730	11	1	1	2	-195			5	3		177	2.4
7	86	6	26	1730	11	1	1	2	-195			2	3		4	2.4
7	86	6	26	1745	10	1	2	2	210	14.5	0.0	5	3		6	2.4
7	86	6	26	1745	10	1	2	2	210	14.5	0.0	3	2		3	2.4
7	86	6	26	1745	10	1	2	2	210	14.5	0.0	5	2		4	2.4
7	86	6	26	1750	10	2	2	2	205	14.5	0.0	5	2		8	2.6

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
7	86	6	26	1750	10	2	2	2	205	14.5	0.0	3	2		8	2.6
7	86	6	26	1750	10	2	2	2	205	14.5	0.0	5	3		1	2.6
7	86	6	26	1800	8	1	2	2	195	14.5	0.0	3	2		53	2.7
7	86	6	26	1800	8	1	2	2	195	14.5	0.0	5	2		125	2.7
7	86	6	26	1800	8	1	2	2	195	14.5	0.0	3	1		22	2.7
7	86	6	26	1800	8	1	2	2	195	14.5	0.0	5	1		4	2.7
7	86	6	26	1800	8	1	2	2	195	14.5	0.0	5	3		2	2.7
7	86	6	26	1815	8	2	2	2	180	14.5	0.0	5	2		116	2.8
7	86	6	26	1815	8	2	2	2	180	14.5	0.0	3	2		14	2.8
7	86	6	26	1815	8	2	2	2	180	14.5	0.0	5	3		1	2.8
7	86	6	27	0655	47	1	2	2	75	13.9	0.0	3	3		2	3.1
7	86	6	27	0655	47	1	2	2	75	13.9	0.0	3	4		8	3.1
7	86	6	27	0655	47	1	2	2	75	13.9	0.0	5	2		1	3.1
7	86	6	27	0655	47	1	2	2	75	13.9	0.0	5	3		20	3.1
7	86	6	27	0700	47	2	2	2	70	13.9	0.0	5	3		14	3.1
7	86	6	27	0700	47	2	2	2	70	13.9	0.0	3	4		5	3.1
7	86	6	27	0710	6	1	2	2	60	14.0	1.1	5	2		100	3.1
7	86	6	27	0710	6	1	2	2	60	14.0	1.1	3	2		8	3.1
7	86	6	27	0710	6	1	2	2	60	14.0	1.1	5	3		629	3.1
7	86	6	27	0710	6	1	2	2	60	14.0	1.1	2	3		1	3.1
7	86	6	27	0725	6	2	2	2	45	14.0	1.1	3	2		28	3.2
7	86	6	27	0725	6	2	2	2	45	14.0	1.1	5	3		129	3.2
7	86	6	27	0725	6	2	2	2	45	14.0	1.1	5	1		9	3.2
7	86	6	27	0725	6	2	2	2	45	14.0	1.1	2	3		1	3.2
7	86	6	27	0725	6	2	2	2	45	14.0	1.1	5	2		212	3.2
7	86	6	27	0740	18	1	2	2	30	13.8	1.2	5	3		92	3.2
7	86	6	27	0745	18	2	2	2	25	13.8	1.2	5	4		2	3.2
7	86	6	27	0745	18	2	2	2	25	13.8	1.2	5	3		27	3.2
7	86	6	27	0800	37	1	2	2	10	13.9	7.8	5	4		5	3.3
7	86	6	27	0800	37	1	2	2	10	13.9	7.8	2	3		2	3.3
7	86	6	27	0800	37	1	2	2	10	13.9	7.8	5	3		8	3.3
7	86	6	27	0800	37	1	2	2	10	13.9	7.8	5	1		1	3.3
7	86	6	27	0805	37	2	2	2	5	13.9	7.8	5	2		1	3.3

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7	86	6	27	0810	111	1	2	1	0	14.2	2.7	5	3		6	3.3
7	86	6	27	0815	111	2	2	1	-5	14.2	2.7	5	3		21	3.3
7	86	6	27	0815	111	2	2	1	-5	14.2	2.7	3	4		1	3.3
7	86	6	27	0820	1	3	4	1	-10	14.4	3.6	5	3		4	3.3
7	86	6	27	0835	1	4	4	1	-25	14.4	3.6	3	4		14	3.3
7	86	6	27	0835	1	4	4	1	-25	14.4	3.6	3	1		2	3.3
7	86	6	27	0835	1	4	4	1	-25	14.4	3.6	5	4		49	3.3
7	86	6	27	0835	1	4	4	1	-25	14.4	3.6	5	1		1	3.3
7	86	6	27	0855	7	3	4	1	-45	15.0	0.7	5	3		6	3.3
7	86	6	27	0855	7	3	4	1	-45	15.0	0.7	6	3		2	3.3
7	86	6	27	0855	7	3	4	1	-45	15.0	0.7	3	2		51	3.3
7	86	6	27	0855	7	3	4	1	-45	15.0	0.7	3	1		1	3.3
7	86	6	27	0855	7	3	4	1	-45	15.0	0.7	5	2		150	3.3
7	86	6	27	0855	7	3	4	1	-45	15.0	0.7	5	1		4	3.3
7	86	6	27	0905	7	4	4	1	-55	15.0	0.7	5	1		7	3.2
7	86	6	27	0905	7	4	4	1	-55	15.0	0.7	5	2		377	3.2
7	86	6	27	0905	7	4	4	1	-55	15.0	0.7	3	2		20	3.2
7	86	6	27	0905	7	4	4	1	-55	15.0	0.7	5	3		11	3.2
7	86	6	27	0905	7	4	4	1	-55	15.0	0.7	6	3		1	3.2
7	86	6	27	0930	151	1	1	1	-80	14.9	2.8					3.1
7	86	6	27	0935	141	1	1	1	-85	15.0	2.4					3.1
7	86	6	27	0940	14	1	1	1	-90	15.0	2.4	5	3		7	3.1
7	86	6	27	0945	15	1	1	1	-95	14.9	2.8	5	3		10	3.1
7	86	6	27	0950	16	1	1	1	-100	15.0	2.4	5	3		41	3.0
7	86	6	27	1015	17	1	1	1	-125	14.9	2.8	5	3		5	2.9
7	86	6	27	1030	4	3	4	1	-140	14.7	2.9	5	3		31	2.8
7	86	6	27	1030	4	3	4	1	-140	14.7	2.9	6	3		2	2.8
7	86	6	27	1030	4	3	4	1	-140	14.7	2.9	3	4		1	2.8
7	86	6	27	1030	4	3	4	1	-140	14.7	2.9	5	4		14	2.8
7	86	6	27	1035	4	4	4	1	-145	14.7	2.9	5	3		44	2.8
7	86	6	27	1035	4	4	4	1	-145	14.7	2.9	2	3		1	2.8
7	86	6	27	1045	2	3	4	1	-155			5	3		1	2.7
7	86	6	27	1050	2	4	4	1	-160			5	4		11	2.7

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
7	86	6	27	1050	2	4	4	1	-160			2	3		1	2.7
8	86	7	8	1225	7	1	6	2	-25	15.8	1.4	5	3		11	0.6
8	86	7	8	1225	7	1	6	2	-25	15.8	1.4	5	1		1	0.6
8	86	7	8	1225	7	1	6	2	-25	15.8	1.4	5	2		1	0.6
8	86	7	8	1235	7	2	6	2	-35	15.8	1.4	5	3		10	0.6
8	86	7	8	1235	7	2	6	2	-35	15.8	1.4	5	2		27	0.6
8	86	7	8	1235	7	2	6	2	-35	15.8	1.4	5	1		3	0.6
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	5	3		15	0.7
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	5	2		176	0.7
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	5	1		9	0.7
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	3	2		4	0.7
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	6	3		1	0.7
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	2	3		3	0.7
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	3	1		2	0.7
8	86	7	8	1245	4	1	4	2	-45	15.3	0.5	5	4		2	0.7
8	86	7	8	1300	4	2	4	2	-60	15.3	0.5	5	2		299	0.7
8	86	7	8	1300	4	2	4	2	-60	15.3	0.5	5	3		7	0.7
8	86	7	8	1300	4	2	4	2	-60	15.3	0.5	2	3		7	0.7
8	86	7	8	1300	4	2	4	2	-60	15.3	0.5	5	1		19	0.7
8	86	7	8	1300	4	2	4	2	-60	15.3	0.5	3	2		2	0.7
8	86	7	8	1300	4	2	4	2	-60	15.3	0.5	5	4		24	0.7
8	86	7	8	1300	4	2	4	2	-60	15.3	0.5	6	3		4	0.7
8	86	7	8	1315	1	1	6	2	-75	15.9	1.8	5	2		4	0.8
8	86	7	8	1315	1	1	6	2	-75	15.9	1.8	5	3		10	0.8
8	86	7	8	1315	1	1	6	2	-75	15.9	1.8	5	1		2	0.8
8	86	7	8	1320	1	2	6	2	-80	15.9	1.8	5	1		3	0.8
8	86	7	8	1320	1	2	6	2	-80	15.9	1.8	5	3		4	0.8
8	86	7	8	1320	1	2	6	2	-80	15.9	1.8	5	2		76	0.8
8	86	7	8	1320	1	2	6	2	-80	15.9	1.8	5	4		3	0.8
8	86	7	8	1320	1	2	6	2	-80	15.9	1.8	3	2		1	0.8
8	86	7	8	1320	1	2	6	2	-80	15.9	1.8	2	3		10	0.8
8	86	7	8	1340	292	1	2	2	-100	14.0	29.1	2	3		56	0.9
8	86	7	8	1340	292	1	2	2	-100	14.0	29.1	3	1		3	0.9

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
8	86	7	8	1340	292	1	2	2	-100	14.0	29.1	5	1		10	0.9
8	86	7	8	1340	292	1	2	2	-100	14.0	29.1	5	2		29	0.9
8	86	7	8	1340	292	1	2	2	-100	14.0	29.1	5	4		4	0.9
8	86	7	8	1340	292	1	2	2	-100	14.0	29.1	3	4		1	0.9
8	86	7	8	1355	292	2	2	2	-115	14.0	29.1	5	3		408	1.0
8	86	7	8	1355	292	2	2	2	-115	14.0	29.1	5	2		88	1.0
8	86	7	8	1355	292	2	2	2	-115	14.0	29.1	2	3		187	1.0
8	86	7	8	1355	292	2	2	2	-115	14.0	29.1	5	4		15	1.0
8	86	7	8	1430	21	1	2	2	-150	13.8	28.3	5	3		13	1.5
8	86	7	8	1430	21	1	2	2	-150	13.8	28.3	2	3		5	1.5
8	86	7	8	1430	21	1	2	2	-150	13.8	28.3	3	1		1	1.5
8	86	7	8	1435	21	2	2	2	-155	13.8	28.3	5	2		1	1.5
8	86	7	8	1435	21	2	2	2	-155	13.8	28.3	2	3		1	1.5
8	86	7	8	1450	20	1	2	2	-170	13.7	27.1	2	3		15	1.6
8	86	7	8	1450	20	1	2	2	-170	13.7	27.1	5	3		6	1.6
8	86	7	8	1450	20	1	2	2	-170	13.7	27.1	5	2		18	1.6
8	86	7	8	1450	20	1	2	2	-170	13.7	27.1	5	1		1	1.6
8	86	7	8	1450	20	1	2	2	-170	13.7	27.1	5	4		1	1.6
8	86	7	8	1455	20	2	2	2	-175	13.7	27.1	5	2		40	1.7
8	86	7	8	1455	20	2	2	2	-175	13.7	27.1	5	1		1	1.7
8	86	7	8	1455	20	2	2	2	-175	13.7	27.1	5	4		2	1.7
8	86	7	8	1455	20	2	2	2	-175	13.7	27.1	1	4		22	1.7
8	86	7	8	1455	20	2	2	2	-175	13.7	27.1	2	3		40	1.7
8	86	7	8	1520	16	[illegible]	1	2	-200	15.8	0.0	5	2		3	2.0
8	86	7	8	1520	16	1	1	2	-200	15.8	0.0	5	3		1	2.0
8	86	7	8	1525	17	1	1	2	-205	15.8	0.0	5	3		23	2.1
8	86	7	8	1530	15	1	1	2	-210	15.8	0.0	5	3		12	2.1
8	86	7	8	1535	14	1	1	2	215	15.8	0.0	5	3		29	2.1
8	86	7	8	1540	141	1	1	2	210	15.8	0.0					2.2
8	86	7	8	1550	151	1	1	2	200	15.8	0.0					2.2
8	86	7	9	0725	47	1	4	1	-165	14.1	0.0	5	3		6	2.7
8	86	7	9	0730	47	2	4	1	-170	14.1	0.0					2.7
8	86	7	9	0735	10	1	4	1	-175	14.0	0.2					2.6

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
8	86	7	9	0740	10	2	4	1	-180	14.0	0.2	5	3		11	2.6
8	86	7	9	0800	23	1	2	1	-200	11.5	30.3	2	3		234	2.5
8	86	7	9	0800	23	1	2	1	-200	11.5	30.3	5	2		41	2.5
8	86	7	9	0800	23	1	2	1	-200	11.5	30.3	5	1		11	2.5
8	86	7	9	0800	23	1	2	1	-200	11.5	30.3	1	4		15	2.5
8	86	7	9	0800	23	1	2	1	-200	11.5	30.3	5	3		8	2.5
8	86	7	9	0800	23	1	2	1	-200	11.5	30.3	5	4		118	2.5
8	86	7	9	0820	23	2	2	1	-220	11.5	30.3	5	3		1	2.4
8	86	7	9	0820	23	2	2	1	-220	11.5	30.3	5	2		2	2.4
8	86	7	9	0835	231	1	2	1	-235	10.9	30.8	5	3		16	2.3
8	86	7	9	0835	231	1	2	1	-235	10.9	30.8	2	3		396	2.3
8	86	7	9	0835	231	1	2	1	-235	10.9	30.8	1	4		352	2.3
8	86	7	9	0835	231	1	2	1	-235	10.9	30.8	5	4		192	2.3
8	86	7	9	0835	231	1	2	1	-235	10.9	30.8	5	1		16	2.3
8	86	7	9	0855	231	2	2	1	220	10.9	30.8	1	4		156	2.2
8	86	7	9	0855	231	2	2	1	220	10.9	30.8	2	3		184	2.2
8	86	7	9	0855	231	2	2	1	220	10.9	30.8	5	2		24	2.2
8	86	7	9	0855	231	2	2	1	220	10.9	30.8	5	4		124	2.2
8	86	7	9	0855	231	2	2	1	220	10.9	30.8	5	1		12	2.2
8	86	7	9	0855	231	2	2	1	220	10.9	30.8	5	3		20	2.2
8	86	7	9	0920	241	1	2	1	195	13.1	29.5	5	2		260	2.0
8	86	7	9	0920	241	1	2	1	195	13.1	29.5	5	4		64	2.0
8	86	7	9	0920	241	1	2	1	195	13.1	29.5	5	1		20	2.0
8	86	7	9	0920	241	1	2	1	195	13.1	29.5	5	3		16	2.0
8	86	7	9	0930	241	2	2	1	185	13.1	29.5	5	2		143	1.9
8	86	7	9	0930	241	2	2	1	185	13.1	29.5	5	4		66	1.9
8	86	7	9	0930	241	2	2	1	185	13.1	29.5	5	1		15	1.9
8	86	7	9	0930	241	2	2	1	185	13.1	29.5	5	3		12	1.9
8	86	7	9	0930	241	2	2	1	185	13.1	29.5	2	3		5	1.9
8	86	7	9	0950	24	1	2	1	175	10.7	30.5	5	3		9	1.8
8	86	7	9	0950	24	1	2	1	175	10.7	30.5	5	2		81	1.8
8	86	7	9	0950	24	1	2	1	175	10.7	30.5	3	3		17	1.8
8	86	7	9	0950	24	1	2	1	175	10.7	30.5	1	4		162	1.8

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
8	86	7	9	0950	24	1	2	1	175	10.7	30.5	2	3		44	1.8
8	86	7	9	0950	24	1	2	1	175	10.7	30.5	5	1		9	1.8
8	86	7	9	0950	24	1	2	1	175	10.7	30.5	5	4		26	1.8
8	86	7	9	1005	24	2	2	1	160	10.7	30.5	5	1		1	1.7
8	86	7	9	1005	24	2	2	1	160	10.7	30.5	2	3		1	1.7
8	86	7	9	1005	24	2	2	1	160	10.7	30.5	3	3		1	1.7
8	86	7	9	1020	25	1	2	1	135	11.4	29.7	5	2		6	1.5
8	86	7	9	1020	25	1	2	1	135	11.4	29.7	5	4		78	1.5
8	86	7	9	1020	25	1	2	1	135	11.4	29.7	5	1		12	1.5
8	86	7	9	1020	25	1	2	1	135	11.4	29.7	2	3		81	1.5
8	86	7	9	1020	25	1	2	1	135	11.4	29.7	1	4		156	1.5
8	86	7	9	1035	25	2	2	1	120	11.4	29.7	5	3		1	1.5
8	86	7	9	1035	25	2	2	1	120	11.4	29.7	2	3		2	1.5
8	86	7	9	1035	25	2	2	1	120	11.4	29.7	5	4		5	1.5
8	86	7	9	1035	25	2	2	1	120	11.4	29.7	5	1		1	1.5
8	86	7	9	1310	5	1	2	2	-35	16.1	2.1	5	2		56	0.8
8	86	7	9	1310	5	1	2	2	-35	16.1	2.1	5	1		7	0.8
8	86	7	9	1310	5	1	2	2	-35	16.1	2.1	5	3		6	0.8
8	86	7	9	1310	5	1	2	2	-35	16.1	2.1	2	3		1	0.8
8	86	7	9	1315	5	2	2	2	-40	16.1	2.1	5	2		6	0.8
8	86	7	9	1315	5	2	2	2	-40	16.1	2.1	5	1		2	0.8
8	86	7	9	1315	5	2	2	2	-40	16.1	2.1	5	3		2	0.8
8	86	7	9	1325	35	1	2	2	-50	13.0	22.2	5	2		3	0.8
8	86	7	9	1325	35	1	2	2	-50	13.0	22.2	5	4		2	0.8
8	86	7	9	1325	35	1	2	2	-50	13.0	22.2	2	3		4	0.8
8	86	7	9	1325	35	1	2	2	-50	13.0	22.2	1	4		7	0.8
8	86	7	9	1335	35	2	2	2	-60	13.0	22.2	5	2		24	0.9
8	86	7	9	1335	35	2	2	2	-60	13.0	22.2	5	3		2	0.9
8	86	7	9	1335	35	2	2	2	-60	13.0	22.2	5	4		4	0.9
8	86	7	9	1335	35	2	2	2	-60	13.0	22.2	5	1		1	0.9
8	86	7	9	1335	35	2	2	2	-60	13.0	22.2	1	4		7	0.9
8	86	7	9	1335	35	2	2	2	-60	13.0	22.2	2	3		7	0.9
8	86	7	9	1350	34	1	2	2	-75	18.1	12.6	5	3		10	0.9

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
8	86	7	9	1400	34	2	2	2	-85	18.1	12.6	5	1		2	1.0
8	86	7	9	1400	34	2	2	2	-85	18.1	12.6	5	2		13	1.0
8	86	7	9	1400	34	2	2	2	-85	18.1	12.6	5	4		9	1.0
8	86	7	9	1400	34	2	2	2	-85	18.1	12.6	5	3		25	1.0
8	86	7	9	1420	27	1	2	2	-105	12.7	29.2	5	3		38	1.1
8	86	7	9	1420	27	1	2	2	-105	12.7	29.2	2	3		42	1.1
8	86	7	9	1420	27	1	2	2	-105	12.7	29.2	1	4		7	1.1
8	86	7	9	1420	27	1	2	2	-105	12.7	29.2	5	4		1	1.1
8	86	7	9	1430	27	2	2	2	-115	12.7	29.2	5	3		3	1.2
8	86	7	9	1430	27	2	2	2	-115	12.7	29.2	2	3		1	1.2
8	86	7	9	1500	28	1	2	2	-145	11.4	30.2	5	3		6	1.5
8	86	7	9	1505	28	2	2	2	-150	11.4	30.2					1.5
8	86	7	9	1620	18	1	2	2	205	15.3	0.2	5	3		34	2.4
8	86	7	9	1620	18	1	2	2	205	15.3	0.2	5	4		2	2.4
8	86	7	9	1625	18	2	2	2	200	15.3	0.2	5	3		6	2.4
8	86	7	9	1635	11	1	1	2	190	16.3	1.2	6	3		2	2.5
8	86	7	9	1635	11	1	1	2	190	16.3	1.2	5	2		45	2.5
8	86	7	9	1635	11	1	1	2	190	16.3	1.2	5	1		8	2.5
8	86	7	9	1635	11	1	1	2	190	16.3	1.2	5	3		23	2.5
8	86	7	9	1635	11	1	1	2	190	16.3	1.2	5	4		6	2.5
8	86	7	9	1640	111	1	2	2	185	16.4	1.8	5	3		1	2.5
8	86	7	9	1640	111	1	2	2	185	16.4	1.8	5	2		1	2.5
8	86	7	9	1645	111	2	2	2	170	16.4	1.8					2.6
8	86	7	9	1650	37	1	2	2	165	16.1	3.3	5	3		3	2.7
8	86	7	9	1655	37	2	2	2	160	16.1	3.3					2.7
8	86	7	9	1715	2	1	2	2	150	14.8	1.1	5	3		6	2.9
8	86	7	9	1715	2	1	2	2	150	14.8	1.1	5	2		66	2.9
8	86	7	9	1715	2	1	2	2	150	14.8	1.1	5	1		5	2.9
8	86	7	9	1715	2	1	2	2	150	14.8	1.1	2	3		12	2.9
8	86	7	9	1715	2	1	2	2	150	14.8	1.1	5	4		2	2.9
8	86	7	9	1715	2	1	2	2	150	14.8	1.1	3	2		2	2.9
8	86	7	9	1720	2	2	2	2	145	14.8	1.1	5	3		2	2.9
8	86	7	9	1720	2	2	2	2	145	14.8	1.1	5	1		1	2.9

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
8	86	7	9	1720	2	2	2	2	145	14.8	1.1	5	2		43	2.9
8	86	7	9	1720	2	2	2	2	145	14.8	1.1	5	4		5	2.9
8	86	7	9	1720	2	2	2	2	145	14.8	1.1	2	3		8	2.9
8	86	7	9	1725	1	3	6	2	140	15.5	1.3	5	3		4	3.0
8	86	7	9	1730	1	4	6	2	135	15.5	1.3					3.0
8	86	7	10	0745	47	3	4	1	-135	13.8	0.1	5	3		8	3.0
8	86	7	10	0750	47	4	4	1	-140	13.8	0.1	3	3		1	2.9
8	86	7	10	0755	10	3	4	1	-145	13.4	0.3					2.9
8	86	7	10	0800	10	4	4	1	-150	13.4	0.3	5	2		3	2.9
8	86	7	10	0800	10	4	4	1	-150	13.4	0.3	5	3		3	2.9
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	3	1		2	2.8
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	5	2		109	2.8
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	5	3		5	2.8
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	5	4		1	2.8
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	2	3		19	2.8
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	3	2		2	2.8
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	5	1		12	2.8
8	86	7	10	0805	7	3	6	1	-155	13.5	1.2	6	3		2	2.8
8	86	7	10	0810	7	4	6	1	-160	13.5	1.2	5	2		133	2.7
8	86	7	10	0810	7	4	6	1	-160	13.5	1.2	5	1		11	2.7
8	86	7	10	0810	7	4	6	1	-160	13.5	1.2	5	3		9	2.7
8	86	7	10	0810	7	4	6	1	-160	13.5	1.2	3	1		4	2.7
8	86	7	10	0810	7	4	6	1	-160	13.5	1.2	3	2		14	2.7
8	86	7	10	0810	7	4	6	1	-160	13.5	1.2	2	3		5	2.7
8	86	7	10	0830	6	1	2	1	-180	13.2	1.1	3	4		1	2.6
8	86	7	10	0830	6	1	2	1	-180	13.2	1.1	5	2		24	2.6
8	86	7	10	0830	6	1	2	1	-180	13.2	1.1	5	3		3	2.6
8	86	7	10	0830	6	1	2	1	-180	13.2	1.1	5	4		1	2.6
8	86	7	10	0835	6	2	2	1	-185	13.2	1.1	5	1		2	2.6
8	86	7	10	0835	6	2	2	1	-185	13.2	1.1	5	2		19	2.6
8	86	7	10	0835	6	2	2	1	-185	13.2	1.1	5	4		2	2.6
8	86	7	10	0835	6	2	2	1	-185	13.2	1.1	5	3		5	2.6
8	86	7	10	0835	6	2	2	1	-185	13.2	1.1	3	4		2	2.6

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
8	86	7	10	0835	6	2	2	1	-185	13.2	1.1	3	2		2	2.6
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	5	2		65	2.5
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	5	1		4	2.5
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	5	3		8	2.5
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	2	3		6	2.5
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	3	2		2	2.5
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	3	1		3	2.5
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	3	4		1	2.5
8	86	7	10	0840	4	3	4	1	-190	13.4	5.4	6	3		1	2.5
8	86	7	10	0850	4	4	4	1	-200	13.4	5.4	5	2		45	2.4
8	86	7	10	0850	4	4	4	1	-200	13.4	5.4	5	3		15	2.4
8	86	7	10	0850	4	4	4	1	-200	13.4	5.4	5	1		7	2.4
8	86	7	10	0850	4	4	4	1	-200	13.4	5.4	2	3		5	2.4
8	86	7	10	0850	4	4	4	1	-200	13.4	5.4	3	2		3	2.4
8	86	7	10	0900	1	5	6	1	-210	13.4	5.2	5	2		41	2.3
8	86	7	10	0900	1	5	6	1	-210	13.4	5.2	5	3		1	2.3
8	86	7	10	0900	1	5	6	1	-210	13.4	5.2	2	3		2	2.3
8	86	7	10	0900	1	5	6	1	-210	13.4	5.2	5	1		1	2.3
8	86	7	10	0900	1	5	6	1	-210	13.4	5.2	5	4		5	2.3
8	86	7	10	0905	1	6	6	1	-215	13.4	5.2	5	2		11	2.3
8	86	7	10	0905	1	6	6	1	-215	13.4	5.2	5	4		1	2.3
8	86	7	10	0905	1	6	6	1	-215	13.4	5.2	5	1		1	2.3
8	86	7	10	0915	3	1	2	1	-225	14.0	6.6					2.3
8	86	7	10	0920	3	2	2	1	225	14.0	6.6					2.2
8	86	7	10	0930	7	5	6	1	215	14.2	1.6	5	2		69	2.1
8	86	7	10	0930	7	5	6	1	215	14.2	1.6	5	3		20	2.1
8	86	7	10	0930	7	5	6	1	215	14.2	1.6	5	1		4	2.1
8	86	7	10	0930	7	5	6	1	215	14.2	1.6	2	3		31	2.1
8	86	7	10	0930	7	5	6	1	215	14.2	1.6	5	4		1	2.1
8	86	7	10	0930	7	5	6	1	215	14.2	1.6	3	2		3	2.1
8	86	7	10	0935	7	6	6	1	210	14.2	1.6	5	2		9	2.0
8	86	7	10	0935	7	6	6	1	210	14.2	1.6	5	1		1	2.0
8	86	7	10	0935	7	6	6	1	210	14.2	1.6	5	3		14	2.0

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
8	86	7	10	0935	7	6	6	1	210	14.2	1.6	3	2		2	2.0
9	86	7	22	1310	10	1	2	2	-70	19.9	2.3	5	4		16	0.8
9	86	7	22	1310	10	1	2	2	-70	19.9	2.3	5	1		1	0.8
9	86	7	22	1320	10	2	2	2	-80	19.9	2.3	5	4		54	0.9
9	86	7	22	1320	10	2	2	2	-80	19.9	2.3	5	1		2	0.9
9	86	7	22	1320	10	2	2	2	-80	19.9	2.3	3	3		1	0.9
9	86	7	22	1340	7	1	6	2	-100	19.4	1.0	7	3		1	1.1
9	86	7	22	1340	7	1	6	2	-100	19.4	1.0	5	4		1	1.1
9	86	7	22	1345	7	2	6	2	-105	19.4	1.0	3	2		1	1.1
9	86	7	22	1345	7	2	6	2	-105	19.4	1.0	5	4		5	1.1
9	86	7	22	1355	4	1	4	2	-115	16.8	1.2	5	4		46	1.2
9	86	7	22	1355	4	1	4	2	-115	16.8	1.2	6	3		1	1.2
9	86	7	22	1355	4	1	4	2	-115	16.8	1.2	5	1		2	1.2
9	86	7	22	1355	4	1	4	2	-115	16.8	1.2	3	3		3	1.2
9	86	7	22	1355	4	1	4	2	-115	16.8	1.2	1	4		1	1.2
9	86	7	22	1400	4	2	4	2	-120	16.8	1.2	5	4		15	1.3
9	86	7	22	1410	2	1	4	2	-130	17.1	1.2	5	4		30	1.4
9	86	7	22	1410	2	1	4	2	-130	17.1	1.2	6	3		1	1.4
9	86	7	22	1410	2	1	4	2	-130	17.1	1.2	5	1		1	1.4
9	86	7	22	1415	2	2	4	2	-135	17.1	1.2	6	3		1	1.5
9	86	7	22	1415	2	2	4	2	-135	17.1	1.2	5	4		2	1.5
9	86	7	22	1425	3	1	4	2	-145	16.5	4.1	5	4		6	1.6
9	86	7	22	1425	3	1	4	2	-145	16.5	4.1	6	3		1	1.6
9	86	7	22	1430	3	2	4	2	-150	16.5	4.1	5	4		7	1.7
9	86	7	22	1445	141	1	1	2	-165	17.2	0.0	5	4		3	1.8
9	86	7	22	1450	151	1	1	2	-170	18.3	0.3	5	4		2	1.9
9	86	7	22	1452	15	1	1	2	-172	18.3	0.3	5	4		1	1.9
9	86	7	22	1455	14	1	1	2	-175	17.2	0.0					1.9
9	86	7	22	1500	17	1	1	2	-180	18.3	0.3	5	4		16	2.0
9	86	7	22	1502	16	1	1	2	-182	17.2	0.0	5	4		18	2.0
9	86	7	22	1510	18	1	2	2	-190	18.2	0.2	5	4		23	2.1
9	86	7	22	1520	18	2	2	2	-200	18.2	0.2	5	4		4	2.2
9	86	7	23	0800	47	1	2	1	-185	16.5	0.0	5	4		16	2.5

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TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
9	86	7	23	0800	47	1	2	1	-185	16.5	0.0	3	3		2	2.5
9	86	7	23	0805	47	2	2	1	-190	16.5	0.0	5	4		17	2.5
9	86	7	23	0805	47	2	2	1	-190	16.5	0.0	3	3		1	2.5
9	86	7	23	0815	7	3	6	1	-200	15.4	1.8	5	4		21	2.4
9	86	7	23	0815	7	3	6	1	-200	15.4	1.8	3	2		4	2.4
9	86	7	23	0820	7	4	6	1	-205	15.4	1.8	5	4		13	2.4
9	86	7	23	0820	7	4	6	1	-205	15.4	1.8	5	1		1	2.4
9	86	7	23	0820	7	4	6	1	-205	15.4	1.8	3	2		1	2.4
9	86	7	23	0820	7	4	6	1	-205	15.4	1.8	3	3		1	2.4
9	86	7	23	0825	8	1	4	1	-210	15.8	3.1	5	4		1	2.3
9	86	7	23	0830	8	2	4	1	-215	15.8	3.1	5	4		5	2.3
9	86	7	23	0850	11	1	1	1	225	16.6	4.3	5	4		3	2.2
9	86	7	23	0920	20	1	2	1	195	11.5	30.4	5	4		6	1.9
9	86	7	23	0925	20	2	2	1	190	11.5	30.4	5	4		17	1.9
9	86	7	23	0925	20	2	2	1	190	11.5	30.4	1	4		8	1.9
9	86	7	23	0940	21	1	2	1	175	11.2	29.4	5	4		41	1.8
9	86	7	23	0940	21	1	2	1	175	11.2	29.4	1	4		1	1.8
9	86	7	23	0945	21	2	2	1	170	11.2	29.4	5	4		47	1.8
9	86	7	23	0945	21	2	2	1	170	11.2	29.4	1	4		23	1.8
9	86	7	23	0945	21	2	2	1	170	11.2	29.4	5	1		2	1.8
9	86	7	23	1025	292	1	2	1	130	11.1	30.8	5	4		194	1.4
9	86	7	23	1025	292	1	2	1	130	11.1	30.8	1	4		9	1.4
9	86	7	23	1025	292	1	2	1	130	11.1	30.8	5	1		15	1.4
9	86	7	23	1045	292	2	2	1	110	11.1	30.8	5	4		161	1.3
9	86	7	23	1045	292	2	2	1	110	11.1	30.8	5	1		10	1.3
9	86	7	23	1045	292	2	2	1	110	11.1	30.8	1	4		5	1.3
9	86	7	23	1045	292	2	2	1	110	11.1	30.8	3	4		2	1.3
9	86	7	23	1200	27	1	2	1	35	10.6	30.7	5	4		3	0.7
9	86	7	23	1200	27	1	2	1	35	10.6	30.7	1	4		4	0.7
9	86	7	23	1205	27	2	2	1	30	10.6	30.7					0.7
9	86	7	23	1215	28	1	2	1	20	14.2	29.9	5	4		4	0.6
9	86	7	23	1220	28	2	2	1	15	14.2	29.9	5	4		2	0.6
9	86	7	23	1255	25	1	2	2	-20	11.0	27.8					0.4

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9	86	7	23	1300	25	2	2	2	-25	11.0	27.8					0.4
9	86	7	23	1315	24	1	2	2	-40	10.0	31.1					0.4
9	86	7	23	1320	24	2	2	2	-45	10.0	31.1	5	4		120	0.4
9	86	7	23	1320	24	2	2	2	-45	10.0	31.1	5	1		13	0.4
9	86	7	23	1320	24	2	2	2	-45	10.0	31.1	1	4		18	0.4
9	86	7	23	1340	241	1	2	2	-65	12.9	33.0	5	4		50	0.5
9	86	7	23	1340	241	1	2	2	-65	12.9	33.0	6	3		2	0.5
9	86	7	23	1340	241	1	2	2	-65	12.9	33.0	5	1		4	0.5
9	86	7	23	1345	241	2	2	2	-70	12.9	33.0	5	4		88	0.5
9	86	7	23	1345	241	2	2	2	-70	12.9	33.0	5	1		15	0.5
9	86	7	23	1345	241	2	2	2	-70	12.9	33.0	1	4		4	0.5
9	86	7	23	1420	231	1	2	2	-95	10.4	32.4	5	4		34	0.8
9	86	7	23	1420	231	1	2	2	-95	10.4	32.4	1	4		3	0.8
9	86	7	23	1425	231	2	2	2	-100	10.4	32.4	5	4		36	0.9
9	86	7	23	1425	231	2	2	2	-100	10.4	32.4	1	4		-	0.9
9	86	7	23	1435	23	1	2	2	-110	12.8	32.8	5	4		1	1.0
9	86	7	23	1440	23	2	2	2	-115	12.8	32.8	5	4		19	1.1
9	86	7	23	1505	34	1	2	2	-140	13.4	31.6	5	4		26	1.4
9	86	7	23	1510	34	2	2	2	-145	13.4	31.6	5	4		20	1.4
9	86	7	23	1510	34	2	2	2	-145	13.4	31.6	5	1		1	1.4
9	86	7	23	1510	34	2	2	2	-145	13.4	31.6	1	4		2	1.4
9	86	7	23	1525	5	1	2	2	-160	12.8	28.0					1.6
9	86	7	23	1530	5	2	2	2	-165	12.8	28.0					1.6
9	86	7	23	1540	1	1	2	2	-175	17.0	2.2	5	4		9	1.7
9	86	7	23	1540	1	1	2	2	-175	17.0	2.2	3	2		1	1.7
9	86	7	23	1545	1	2	2	2	-180	17.0	2.2	5	4		17	1.7
9	86	7	23	1600	6	1	2	2	195	17.0	0.0	5	4		20	2.0
9	86	7	23	1610	6	2	2	2	185	17.0	0.0	5	4		95	2.1
9	86	7	23	1610	6	2	2	2	185	17.0	0.0	5	1		1	2.1
9	86	7	24	0952	3	3	4	1	198	15.3	4.7					2.3
9	86	7	24	0955	3	4	4	1	195	15.3	4.7					2.3
9	86	7	24	1000	2	3	4	1	190	16.4	4.5	3	2		1	2.2
9	86	7	24	1003	2	4	4	1	187	16.4	4.5	5	4		14	2.2

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9	86	7	24	1003	2	4	4	1	187	16.4	4.5	3	4		1	2.2
9	86	7	24	1010	4	3	4	1	180	15.6	4.4	5	4		24	2.2
9	86	7	24	1010	4	3	4	1	180	15.6	4.4	3	4		2	2.2
9	86	7	24	1010	4	3	4	1	180	15.6	4.4	5	1		2	2.2
9	86	7	24	1015	4	4	4	1	175	15.6	4.4	5	4		67	2.1
9	86	7	24	1015	4	4	4	1	175	15.6	4.4	3	4		3	2.1
9	86	7	24	1025	7	5	6	1	165	17.1	2.0	5	4		7	2.0
9	86	7	24	1030	7	6	6	1	160	17.1	2.0	5	4		4	2.0
9	86	7	24	1035	8	3	4	1	155	16.7	4.2	5	4		5	2.0
9	86	7	24	1040	8	4	4	1	150	16.7	4.2	5	4		1	2.0
10	86	8	6	1300	23	1	2	2	-80	13.5	32.0	5	4		5	1.1
10	86	8	6	1305	23	2	2	2	-85	13.5	32.0	5	4		2	1.1
10	86	8	6	1315	231	1	2	2	-95	13.0	33.2					1.2
10	86	8	6	1320	231	2	2	2	-100	13.0	33.2					1.2
10	86	8	6	1355	241	1	2	2	-135	15.9	32.7	2	3		1	1.4
10	86	8	6	1400	241	2	2	2	-140	15.9	32.7	5	4		2	1.5
10	86	8	6	1400	241	2	2	2	-140	15.9	32.7	5	1		1	1.5
10	86	8	6	1415	24	1	2	2	-155	12.6	31.6					1.6
10	86	8	6	1420	24	2	2	2	-160	12.6	31.6					1.6
10	86	8	6	1430	25	1	2	2	-170	11.6	32.2					1.9
10	86	8	6	1435	25	2	2	2	-175	11.6	32.2					1.9
10	86	8	6	1500	27	1	2	2	-200	13.2	33.2					2.0
10	86	8	6	1505	27	2	2	2	-205	13.2	33.2					2.2
10	86	8	6	1510	28	1	2	2	200	12.5	32.4					2.2
10	86	8	6	1520	28	2	2	2	190	12.5	32.4					2.3
10	86	8	6	1545	21	1	2	2	165	13.3	31.5	6	3		1	2.4
10	86	8	6	1550	21	2	2	2	160	13.3	31.5					2.4
10	86	8	6	1600	20	1	2	2	150	11.5	30.6	5	4		4	2.7
10	86	8	6	1605	20	2	2	2	145	11.5	30.6	5	4		15	2.7
10	86	8	6	1625	7	1	8	2	125	16.5	0.1	3	1		1	3.0
10	86	8	6	1625	7	1	8	2	125	16.5	0.1	3	4		1	3.0
10	86	8	6	1625	7	1	8	2	125	16.5	0.1	5	4		1	3.0
10	86	8	6	1630	7	2	8	2	120	16.5	0.1	5	4		23	3.0

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10	86	8	6	1630	7	2	8	2	120	16.5	0.1	3	4		3	3.0
10	86	8	6	1630	7	2	8	2	120	16.5	0.1	6	3		2	3.0
10	86	8	6	1630	7	2	8	2	120	16.5	0.1	7	3		1	3.0
10	86	8	7	0915	10	1	4	1	175	16.7	3.2	3	3		2	2.0
10	86	8	7	0915	10	1	4	1	175	16.7	3.2	3	4		1	2.0
10	86	8	7	0915	10	1	4	1	175	16.7	3.2	5	3		2	2.0
10	86	8	7	0920	10	2	4	1	170	16.7	3.2	3	3		1	2.0
10	86	8	7	0920	10	2	4	1	170	16.7	3.2	5	3		1	2.0
10	86	8	7	0925	7	3	8	1	165	16.7	2.2	6	3		1	2.0
10	86	8	7	0925	7	3	8	1	165	16.7	2.2	5	4		10	2.0
10	86	8	7	0930	7	4	8	1	160	16.7	2.2	5	4		36	1.9
10	86	8	7	0930	7	4	8	1	160	16.7	2.2	3	4		3	1.9
10	86	8	7	0930	7	4	8	1	160	16.7	2.2	3	1		1	1.9
10	86	8	7	0930	7	4	8	1	160	16.7	2.2	5	1		2	1.9
10	86	8	7	0945	8	1	4	1	145	17.8	3.6	5	4		16	1.8
10	86	8	7	0945	8	1	4	1	145	17.8	3.6	5	1		1	1.8
10	86	8	7	0945	8	1	4	1	145	17.8	3.6	3	4		1	1.8
10	86	8	7	0950	8	2	4	1	140	17.8	3.6					1.8
10	86	8	7	1000	6	1	2	1	130	16.8	2.5	5	3		33	1.7
10	86	8	7	1000	6	1	2	1	130	16.8	2.5	5	4		1	1.7
10	86	8	7	1005	6	2	2	1	125	16.8	2.5	5	4		13	1.7
10	86	8	7	1005	6	2	2	1	125	16.8	2.5	5	2		1	1.7
10	86	8	7	1005	6	2	2	1	125	16.8	2.5	5	3		22	1.7
10	86	8	7	1005	6	2	2	1	125	16.8	2.5	3	4		1	1.7
10	86	8	7	1030	1	1	4	1	100	17.9	3.8	5	3		5	1.6
10	86	8	7	1035	1	2	4	1	95	17.9	3.8	5	3		1	1.6
10	86	8	7	1035	1	2	4	1	95	17.9	3.8	5	4		4	1.6
10	86	8	7	1040	2	1	2	1	90	18.9	4.8	5	3		5	1.5
10	86	8	7	1040	2	1	2	1	90	18.9	4.8	5	4		6	1.5
10	86	8	7	1040	2	1	2	1	90	18.9	4.8	5	1		1	1.5
10	86	8	7	1045	2	2	2	1	85	18.9	4.8	5	4		1	1.5
10	86	8	7	1050	3	1	4	1	80	18.8	3.7	6	3		3	1.5
10	86	8	7	1050	3	1	4	1	80	18.8	3.7	3	2		1	1.4

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
10	86	8	7	1055	3	2	4	1	75	18.8	3.7					1.4
10	86	8	7	1110	4	1	4	1	60	17.3	0.9	5	4		4	1.4
10	86	8	7	1115	4	2	4	1	55	17.3	0.9	6	3		1	1.3
10	86	8	7	1115	4	2	4	1	55	17.3	0.9	5	4		2	1.3
10	86	8	7	1115	4	2	4	1	55	17.3	0.9	5	3		1	1.3
10	86	8	7	1320	5	1	2	2	-70	17.8	2.5	5	4		1	1.4
10	86	8	7	1320	5	1	2	2	-70	17.8	2.5	3	4		1	1.4
10	86	8	7	1320	5	1	2	2	-70	17.8	2.5	5	1		1	1.4
10	86	8	7	1325	5	2	2	2	-75	17.8	2.5					1.4
10	86	8	7	1335	35	1	2	2	-85	10.3	32.6					1.5
10	86	8	7	1340	35	2	2	2	-90	10.3	32.6					1.5
10	86	8	7	1350	34	1	2	2	-100	20.1	11.1					1.5
10	86	8	7	1355	34	2	2	2	-105	20.1	11.1					1.5
10	86	8	7	1415	7	5	8	2	-125	19.1	1.2	3	4		1	1.6
10	86	8	7	1415	7	5	8	2	-125	19.1	1.2	5	4		10	1.6
10	86	8	7	1420	7	6	8	2	-130	19.1	1.2	5	4		9	1.6
10	86	8	7	1445	3	3	4	2	-155	20.7	2.6	5	3		1	1.8
10	86	8	7	1450	3	4	4	2	-160	20.7	2.6	6	3		1	1.8
10	86	8	7	1450	3	4	4	2	-160	20.7	2.6	5	4		2	1.8
10	86	8	7	1500	37	1	2	2	-170	21.6	4.3					2.2
10	86	8	7	1505	37	2	2	2	-175	21.6	4.3					2.2
10	86	8	7	1520	11	1	1	2	-190	18.5	1.6	5	4		3	2.4
10	86	8	7	1520	11	1	1	2	-190	18.5	1.6	5	3		1	2.4
10	86	8	7	1530	17	1	1	2	-200	19.7	0.3	5	3		3	2.5
10	86	8	7	1540	15	1	1	2	-210	19.7	0.3	5	3		1	2.6
10	86	8	7	1545	14	1	1	2	-215	18.2	0.3					2.6
10	86	8	7	1550	151	1	1	2	-220	19.7	0.3					2.8
10	86	8	7	1555	141	1	1	2	-225	18.2	0.3					2.8
10	86	8	7	1600	18	1	1	2	-230	21.1	0.3					2.9
10	86	8	8	0755	47	1	2	1	-130	16.8	0.0					2.7
10	86	8	8	0800	47	2	2	1	-135	16.8	0.0					2.7
10	86	8	8	0805	10	3	4	1	-140	16.7	0.3					2.6
10	86	8	8	0810	10	4	4	1	-145	16.7	0.3					2.6

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
10	86	8	8	0815	7	7	8	1	-150	17.2	1.6	5	4		11	2.6
10	86	8	8	0815	7	7	8	1	-150	17.2	1.6	3	4		2	2.6
10	86	8	8	0815	7	7	8	1	-150	17.2	1.6	3	2		1	2.6
10	86	8	8	0815	7	7	8	1	-150	17.2	1.6	5	3		4	2.6
10	86	8	8	0820	7	8	8	1	-155	17.2	1.6	5	3		2	2.5
10	86	8	8	0820	7	8	8	1	-155	17.2	1.6	5	4		32	2.5
10	86	8	8	0820	7	8	8	1	-155	17.2	1.6	3	4		4	2.5
10	86	8	8	0820	7	8	8	1	-155	17.2	1.6	6	3		1	2.5
10	86	8	8	0830	8	3	4	1	-165	16.9	2.9	5	3		4	2.5
10	86	8	8	0835	8	4	4	1	-170	16.9	2.9	5	3		2	2.4
10	86	8	8	0845	1	3	4	1	-180	17.0	4.4					2.4
10	86	8	8	0850	1	4	4	1	-185	17.0	4.4					2.4
10	86	8	8	0900	111	1	2	1	-195	18.7	2.3					2.3
10	86	8	8	0905	111	2	2	1	-200	18.7	2.3	5	3		1	2.3
10	86	8	8	0920	4	3	4	1	190	16.5	4.0	5	4		3	2.1
10	86	8	8	0920	4	3	4	1	190	16.5	4.0	5	3		3	2.1
10	86	8	8	0925	4	4	4	1	185	16.5	4.0	5	4		1	2.1
11	86	8	19	1230	7	1	6	2	-100	18.0	2.1	6	3		11	1.3
11	86	8	19	1230	7	1	6	2	-100	18.0	2.1	5	4		70	1.3
11	86	8	19	1230	7	1	6	2	-100	18.0	2.1	3	4		4	1.3
11	86	8	19	1235	7	2	6	2	-105	18.0	2.1	3	4		1	1.3
11	86	8	19	1235	7	2	6	2	-105	18.0	2.1	5	4		20	1.3
11	86	8	19	1235	7	2	6	2	-105	18.0	2.1	6	3		1	1.3
11	86	8	19	1310	21	1	2	2	-140	12.2	29.6	5	4		1	1.3
11	86	8	19	1315	21	2	2	2	-145	12.2	29.6	5	4		1	1.4
11	86	8	19	1328	20	1	2	2	-158	15.5	29.6					1.7
11	86	8	19	1335	20	2	2	2	-165	15.5	29.6					1.9
11	86	8	19	1350	34	1	2	2	-180	12.5	31.5					1.9
11	86	8	19	1355	34	2	2	2	-185	12.5	31.5					2.0
11	86	8	19	1415	16	1	1	2	190	12.9	1.5					2.2
11	86	8	19	1420	17	1	1	2	185	16.2	1.3					2.4
11	86	8	19	1425	15	1	1	2	180	16.2	1.3					2.4
11	86	8	19	1430	14	1	1	2	175	12.9	1.5					2.5

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
11	86	8	19	1435	141	1	1	2	170	12.9	1.5					2.5
11	86	8	19	1440	151	1	1	2	165	16.2	1.3					2.6
11	86	8	19	1450	18	1	2	2	155	18.0	10.2					2.8
11	86	8	19	1455	18	2	2	2	150	18.0	10.2					2.9
11	86	8	19	1500	11	1	1	2	145	18.5	3.7	5	4		33	3.0
11	86	8	19	1510	111	1	2	2	135	15.6	18.0					3.2
11	86	8	19	1515	111	2	2	2	130	15.6	18.0					3.2
11	86	8	19	1525	37	1	2	2	120	19.9	6.0					3.3
11	86	8	19	1530	37	2	2	2	115	19.9	6.0					3.3
11	86	8	19	1540	1	1	6	2	105	18.0	5.9	5	4		11	3.4
11	86	8	19	1545	1	2	6	2	100	18.0	5.9	5	4		13	3.4
11	86	8	19	1555	4	1	6	2	90	17.0	6.9	6	3		1	3.4
11	86	8	19	1555	4	1	6	2	90	17.0	6.9	5	4		4	3.5
11	86	8	19	1600	4	2	6	2	85	17.0	6.9	5	4		1	3.5
11	86	8	19	1610	47	1	4	2	75	18.1	0.1					3.6
11	86	8	19	1615	47	2	4	2	70	18.1	0.1					3.6
11	86	8	20	0745	23	1	2	1	-225	10.2	31.9					3.2
11	86	8	20	0750	23	2	2	1	-220	10.2	31.9					3.2
11	86	8	20	0755	231	1	2	1	220	9.5	31.9					3.2
11	86	8	20	0800	231	2	2	1	215	9.5	31.9	5	4		26	3.1
11	86	8	20	0825	241	1	2	1	190	11.5	31.3					3.0
11	86	8	20	0830	241	2	2	1	185	11.5	31.3					2.9
11	86	8	20	0840	24	1	2	1	175	9.5	31.7					2.8
11	86	8	20	0845	24	2	2	1	170	9.5	31.7					2.8
11	86	8	20	0900	25	1	2	1	155	9.5	30.9					2.7
11	86	8	20	0905	25	2	2	1	150	9.5	30.9					2.7
11	86	8	20	0930	27	1	2	1	125	9.1	32.5	5	4		67	2.7
11	86	8	20	0935	27	2	2	1	120	9.1	32.5	5	4		4	2.5
11	86	8	20	1215	28	1	2	2	-40	10.9	31.4	5	4		1	2.3
11	86	8	20	1220	28	2	2	2	-45	10.9	31.4					2.3
11	86	8	20	1230	292	1	2	2	-55	11.2	31.8	1	4		26	2.5
11	86	8	20	1235	292	2	2	2	-60	11.2	31.8					2.5
11	86	8	20	1335	35	1	2	2	-120	9.5	31.5					3.0

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
11	86	8	20	1340	35	2	2	2	-125	9.5	31.5					3.0
11	86	8	20	1350	4	3	6	2	-135	16.9	3.3	5	4		17	3.1
11	86	8	20	1355	4	4	6	2	-140	16.9	3.3	5	4		6	3.1
11	86	8	20	1400	2	1	2	2	-145	17.7	2.5					3.2
11	86	8	20	1405	2	2	2	2	-150	17.7	2.5					3.2
11	86	8	20	1415	3	1	2	2	-160	17.3	5.2	6	3		4	3.3
11	86	8	20	1420	3	2	2	2	-165	17.3	5.2	5	4		2	3.3
11	86	8	20	1425	1	3	6	2	-170			5	4		1	3.3
11	86	8	20	1430	1	4	6	2	-175							3.4
11	86	8	20	1440	6	1	2	2	-185	17.1	0.2	5	4		71	3.4
11	86	8	20	1440	6	1	2	2	-185	17.1	0.2	2	3		1	3.4
11	86	8	20	1440	6	1	2	2	-185	17.1	0.2	3	4		2	3.4
11	86	8	20	1440	6	1	2	2	-185	17.1	0.2	5	1		2	3.4
11	86	8	20	1450	6	2	2	2	185	17.1	0.2	5	4		44	3.4
11	86	8	20	1450	6	2	2	2	185	17.1	0.2	6	3		1	3.4
11	86	8	20	1455	7	3	6	2	180	17.4	0.0	6	3		4	3.5
11	86	8	20	1455	7	3	6	2	180	17.4	0.0	3	4		2	3.5
11	86	8	20	1455	7	3	6	2	180	17.4	0.0	5	4		8	3.6
11	86	8	20	1500	7	4	6	2	175	17.4	0.0	5	4		1	3.6
11	86	8	20	1505	8	1	2	2	170	19.3	0.3	5	4		1	3.6
11	86	8	20	1510	8	2	2	2	165	19.3	0.3					3.7
11	86	8	20	1515	10	1	4	2	160	17.9	0.0	5	4		3	3.7
11	86	8	20	1520	10	2	4	2	155	17.9	0.0	5	4		3	3.7
11	86	8	20	1525	47	3	4	2	150	18.5	0.0					3.8
11	86	8	20	1530	47	4	4	2	145	18.5	0.0					3.9
11	86	8	21	0745	10	3	4	1	-165	15.7	2.9					2.8
11	86	8	21	0750	10	4	4	1	-170	15.7	2.9	3	4		2	2.7
11	86	8	21	0750	10	4	4	1	-170	15.7	2.9	5	4		3	2.7
11	86	8	21	0800	7	5	6	1	-180	16.2	3.7	5	4		4	2.6
11	86	8	21	0805	7	6	6	1	-185	16.2	3.7	5	4		8	2.6
11	86	8	21	0805	7	6	6	1	-185	16.2	3.7	6	3		2	2.6
11	86	8	21	0815	4	5	6	1	-195	14.6	8.1	5	4		11	2.5
11	86	8	21	0820	4	6	6	1	-200	14.6	8.1					2.4

CAMPBELL RIVER - 1986 - CATCH DATA

TRIP NUMBER	YEAR	MONTH	DAY	TIME PST	SN	HAUL	TOTAL SETS	TIDE TYPE	MIN TO SLACK	TEMP C	SAL	SPECIES CODE	GROUP CODE	STAGE CODE	CATCH	TIDE HEIGHT METER
11	86	8	21	0825	1	5	6	1	-205	14.7	8.0					2.3
11	86	8	21	0830	1	6	6	1	-210	14.7	8.0					2.3

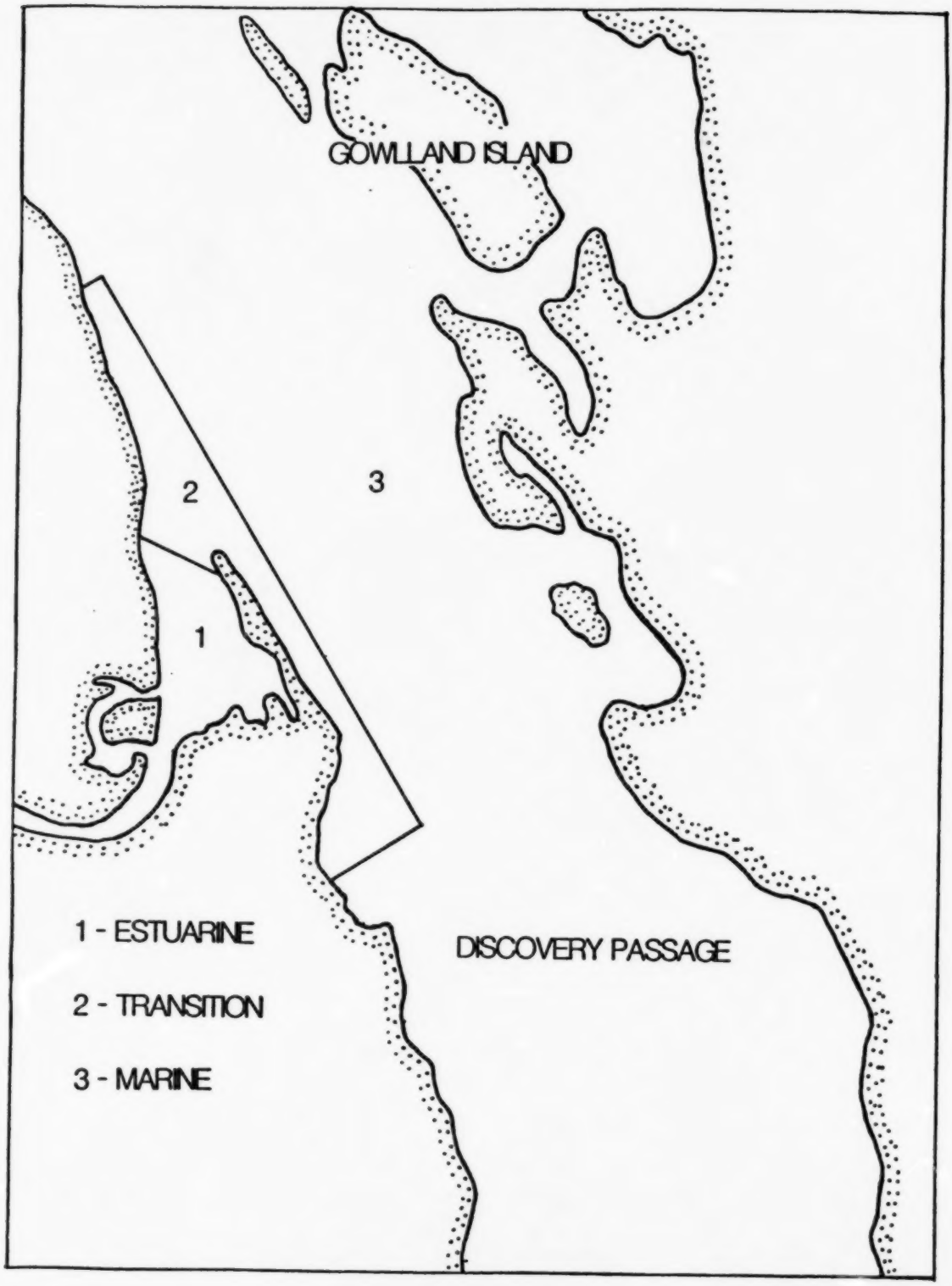

Fig. 1. Estuarine, transition and marine zone locations.

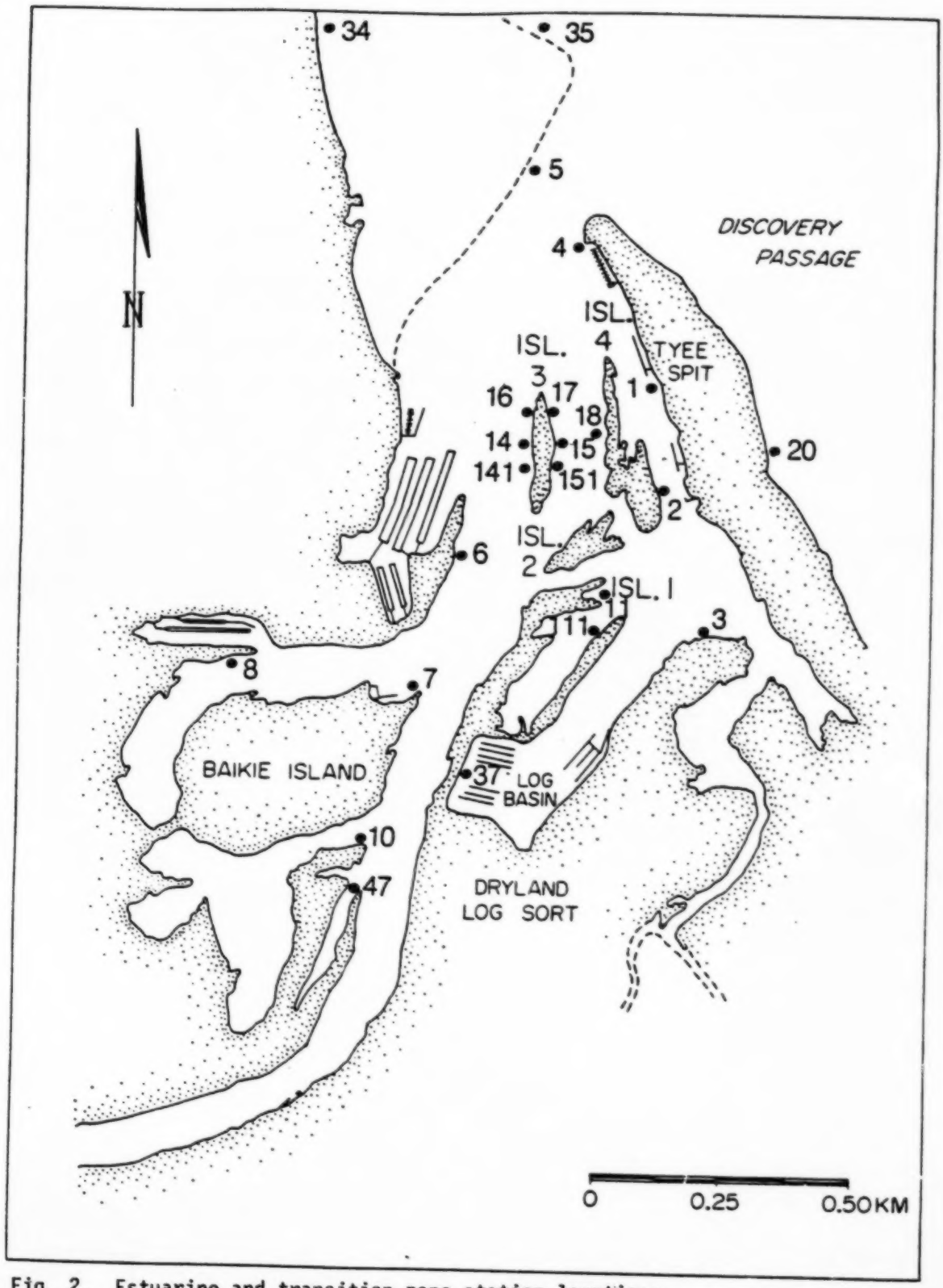

Fig. 2. Estuarine and transition zone station locations.

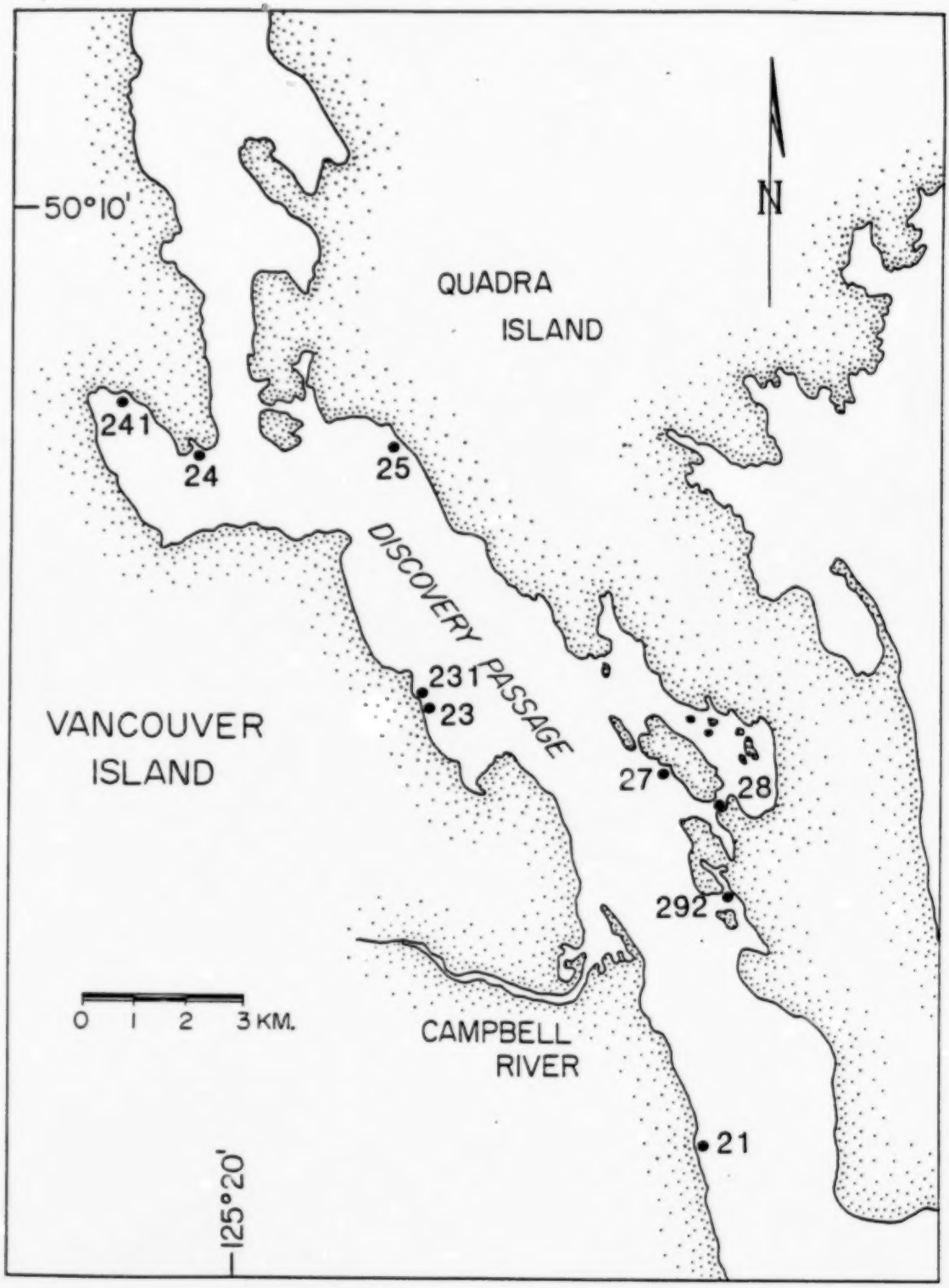

Fig. 3. Station locations within Discovery Passage.